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Foreign and Joint Venture
Catches and Allocations
in the
Pacific Northwest and Alaska
Fishing Area
under the
Magnuson Fishery Conservation
and Management Act,
1977-84

By

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and Katherine A. King

March 1986

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ABSTRACT

On 1 March 1977, U.S. legislation later entitled the "Magnuson Fishery Conservation and Management Act (MFCMA)" went into effect. This legislation established a U.S. fishery conservation zone. Within this zone, the United States exercises sole fishery management authority over all fish (except highly migratory species). This paper summarizes the management under the MFCMA and provides a record of the annual fishery allocations and catches of foreign nations and of joint venture operations off the western coast of the United States.

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Introduction

On 1 March 1977, U.S. legislation entitled the "Fishery Conservation and Management Act of 1976" (FCMA) went into effect. This legislation was enacted in part to conserve and manage the fishery resources found off the coasts of the United States. To accomplish this, it established the U.S. fishery conservation zone (FCZ) extending 3 to 200 nautical miles offshore. The United States exercises exclusive fishery management authority over all fish (except highly migratory species) within the FCZ. In 1981, the American Fisheries Promotion Act changed the title of the FCMA to the Magnuson Fishery Conservation and Management Act (MFCMA).

The purpose of this document is to summarize the management under the MFCMA and to provide a record of the yearly catch data of foreign nations and of joint venture operations (in which U.S. fishermen deliver their catch directly to a foreign vessel for processing) off the western coast of the United States. A discussion of catches that are domestically processed will not be included, nor will catches of prohibited species (salmon, Oncorhynchus spp.: Pacific halibut, Hippoglossus stenolepis; snow (Tanner) crab, Chionoecetes spp., king crab, Lithodes spp. and Paralithodes spp.: and Dungeness crab, Cancer magister), which are sorted from the catches and returned to the sea.

Description of the MFCMA Management

The MFCMA established eight regional fishery management councils for the purpose of developing fishery management plans (FMP's), which set the goals and methods for managing fisheries in their assigned areas; the Pacific Fishery Management Council (PFMC) is charged with the management of fisheries within the Washington-Oregon-California (WOC) region, and the North Pacific

Fishery Management Council (NPFMC) is responsible for the management of fisheries within the Bering Sea, Aleutian Islands, and Gulf of Alaska regions (Figure 1). Consistent with the purpose of the MFCMA, each council's aim is to provide the greatest overall benefit among all people affected by the fishery. The amount of catch that will accomplish this, the "optimum yield" (OY), is based on the maximum biological yield of the fishery that can be sustained over the years, modified by relevant socioeconomic factors. For fish stocks in a weakened state, the council may take action to limit the amount of fish taken so that the stocks can recover.

Each year, the OY is specified and amounts available for domestic and foreign fishing are designated. Highest priority is given to fish that will be caught and processed by the U.S. industry. If the entire OY will not be used by domestic processors, then U.S. fishermen may deliver their catch at sea to foreign processing vessels (a U.S. fishery called a joint venture). Foreign fishing is allowed only on the part of the OY, if any, that will not be harvested by the domestic fishing industry. Accordingly, the total allowable level of foreign fishing (TALFF) is derived annually by subtracting from the OY (a) the domestic catch needs (both domestic annual processing (DAP) and joint venture processing (JVP)) and (b) an amount held in reserve to provide for expansion by the U.S. fishery. If the reserve is not needed by U.S. processors, all or part may be added midseason to JVP; any remainder may be designated for TALFF.

Under provisions of the MFCMA, a foreign nation is eligible to fish or receive U.S.-harvested fish in the FCZ only if it is party to a Governing International Fishery Agreement (GIFA) approved by the U.S. Congress, and has agreed to abide by the applicable regulations, to accommodate observers, and to reimburse the U.S. government for costs of managing foreign fishing and observer programs.

Foreign participants within a fishery and the amounts of fish available to them are determined by the U.S. State Department after consultation with the National Marine Fisheries Service and the appropriate regional council. Generally, nations with a history of fishing in the area which is now the FCZ have received the bulk of the allocations. Nations fishing in west coast waters (including Alaska) prior to 1977 included Japan, which began fishing in 1930; the Soviet Union which commenced fishing operations in 1958; the Republic of Korea, which arrived in 1966; followed by Poland in 1973; and the Federal Republic of Germany and Taiwan in 1974. Other more recent participants such as Mexico, Portugal, Bulgaria, and Greece also have received relatively small allocations. Political considerations also have affected whether a nation receives an allocation; the Soviet Union and Poland lost their foreign fishing allocations in 1981 and 1982, respectively, and did not regain fishing privileges until 1984. Joint venture operations were not prohibited by these sanctions, however, because they provided a direct benefit to U.S. fishermen. In 1980, the MFCMA was amended to provide for a new policy of allocation to foreign nations, commonly referred to as "Fish and Chips." Under this policy, factors that must be considered in allocating fish to nations include a country's contributions to the development of the U.S. fishing industry, for example through tariff reductions, purchase of fishery products, and participation in joint ventures.

Overall foreign catches off Alaska have undergone a steady, although hardly precipitous, decline. For certain high value species, particularly snow (Tanner) crab and sablefish (Anoplopoma fimbria), foreign catches have fallen sharply as the domestic processing of these species increased. For other species (Gulf of Alaska walleye pollock (Theragra chalcogramma) and Bering

Sea flatfish species); increases in OY have allowed TALFF levels to remain about the same in spite of increased domestic fisheries.

For the WOC region, joint ventures for Pacific whiting (Merluccius productus) caused a dramatic increase in the domestic harvest of this species in spite of extremely small levels of shore-based processing. As the OY has been relatively stable, foreign fishing for this species has declined significantly since 1977.

Description and Treatment of the Data

This paper includes a tabulated account of the annual catches by all foreign nations and joint ventures operating off the west coast of the United States since the implementation of the MFCMA in 1977. Observers contracted by the U.S. government were placed on board foreign vessels to estimate catches and monitor compliance with the fishing regulations. Because observer coverage of certain segments of the fleet was low in the late 1970's, there was concern that catch estimates based entirely on observer data might not be reliable. As a result, estimates of the foreign and joint venture catches are based on a combination of foreign vessel and U.S. observer data. To determine these estimates, each foreign vessel fishing within the FCZ is required to submit a weekly catch report detailing its fishing activities. Included in this report are the fishing area and the catch in metric tons (t) of each species grouping as designated by the fishery management plan. A U.S. observer stationed aboard the foreign vessel also sends in a weekly report giving this same type of information, with the catch weights being determined by the observer's own calculations. For the foreign fishery, the observers' catch messages are used to estimate the average catch (t) per vessel day on the grounds for each species group by nation, vessel class, and area for the

week. These estimates are then multiplied by the number of total vessel days on the grounds for each nation, vessel class, and area to determine the U.S. estimate of the foreign catch (Nelson et al., 1981). The U.S. estimate of the joint venture landings is made in a similar manner, except that the observers' information is used to determine the species composition of the catch in each nation-area-week element, and these percentages then are multiplied by the foreign-reported weight of all species in each element to arrive at the catch estimate of each species group.

To provide a "best estimate," a method of calculation was devised to blend observer catch estimates with foreign-reported catch. The weekly U.S. estimates are used when observer coverage of a week-area-nation-vessel class element is at least 20%: the foreign reported catch data are used for any element where observer coverage is less than 20%. In 1979, this method was modified so that if the foreign-reported catch of a species group in an element was within 10% of the U.S. estimate, the foreign-reported catch of that species group would be used irregardless of the observer coverage. As observer coverage has increased each year (from 5.6% in 1977 to 82.0% in 1984 in the Bering Sea/Aleutian Islands region, from 8.3% in 1977 to 86.9% in 1984 in the Gulf of Alaska region, and from 21.9% in 1977 to 90.7% in 1984 in the WOC region), a greater proportion of the data is observer-derived. Since 1982, most "best estimates" of the catch have been based overwhelmingly on observer data.

Description of the Tables

As stated above, each foreign vessel fishing or receiving U.S.-caught fish inside the FCZ is required to submit weekly catch reports, summarizing its fishing activities by week, reporting area, and species group. This basic requirement has not changed through the years, but there have been numerous

changes in defining species groups and management areas. These changes are presented in Table 1.

Tables 2 and 3 show the poundage fees charged to foreign nations for fish caught off the western U.S. seaboard. This is a fee charged directly to the foreign nations by the U.S. government. These fees may be charged quarterly and must be paid for the foreign nation to receive an allocation of fish for the next year.

Tables 4-11 present the best estimates of foreign catch by nation and joint venture landings by species group for the WOC region. Also shown are the foreign allocations of Pacific whiting by nation, the total foreign allocation of Pacific whiting, the TALFF, the joint venture processing allowance (JVP), and the optimum yield. Amounts of species caught incidentally in the Pacific whiting fishery are limited by incidental allowances which are prescribed percentages of the Pacific whiting allocations (for the foreign fishery) or of the JVP (for the joint venture). In the foreign fishery, all fish caught, including discards, count against the incidental allowance. In the joint venture, however, the incidental allowance applies only to fish that are retained by foreign processing vessels, because they cannot control what is delivered to them by U.S. catcher vessels.

Tables 12-31 show the best estimates of foreign catch by nation and species group in the Gulf of Alaska region (Tables 12-23) and the Bering Sea /Aleutian Islands region (Tables 24-31). Also listed are the foreign allocations of each species group by nation, the total allocation given to the foreign nations, the TALFF, the joint venture landings, the JVP, and the optimum yield.

In 1978, the North Pacific Fisheries Management Council developed an FMP for the Gulf of Alaska. This plan was to go into effect 1 November 1978,

and span a 12-month period of time (a "fishing year") at which time a new FMP would go into effect. Each succeeding FMP was to be in effect for 12 months. In actuality, the first plan was not implemented until 1 December 1978. This plan stayed in effect for 11 months (through 31 October 1979). The second FMP was in effect 1 November 1979 through 31 October 1980. At that time, the council realized that the "fishing year" concept was not acceptable. Two sets of numbers were being used, "fishing year" and "calendar year," and the end result was confusion. In order to return to calendar year data, the third FMP for the Gulf of Alaska was a 14-month plan in effect 1 November 1980 through 31 December 1981. This paper presents tables both for the calendar years (Tables 13, 15, 17, and 19) and the fishing years (Tables 14, 16, 18, and 20) 1978-81 in the Gulf of Alaska.

Allocations are given to the individual foreign nations throughout the year. In Tables 4-31, the total allocations do not always equal the TALFF, because for a variety of reasons some of the TALFF may not have been allocated.

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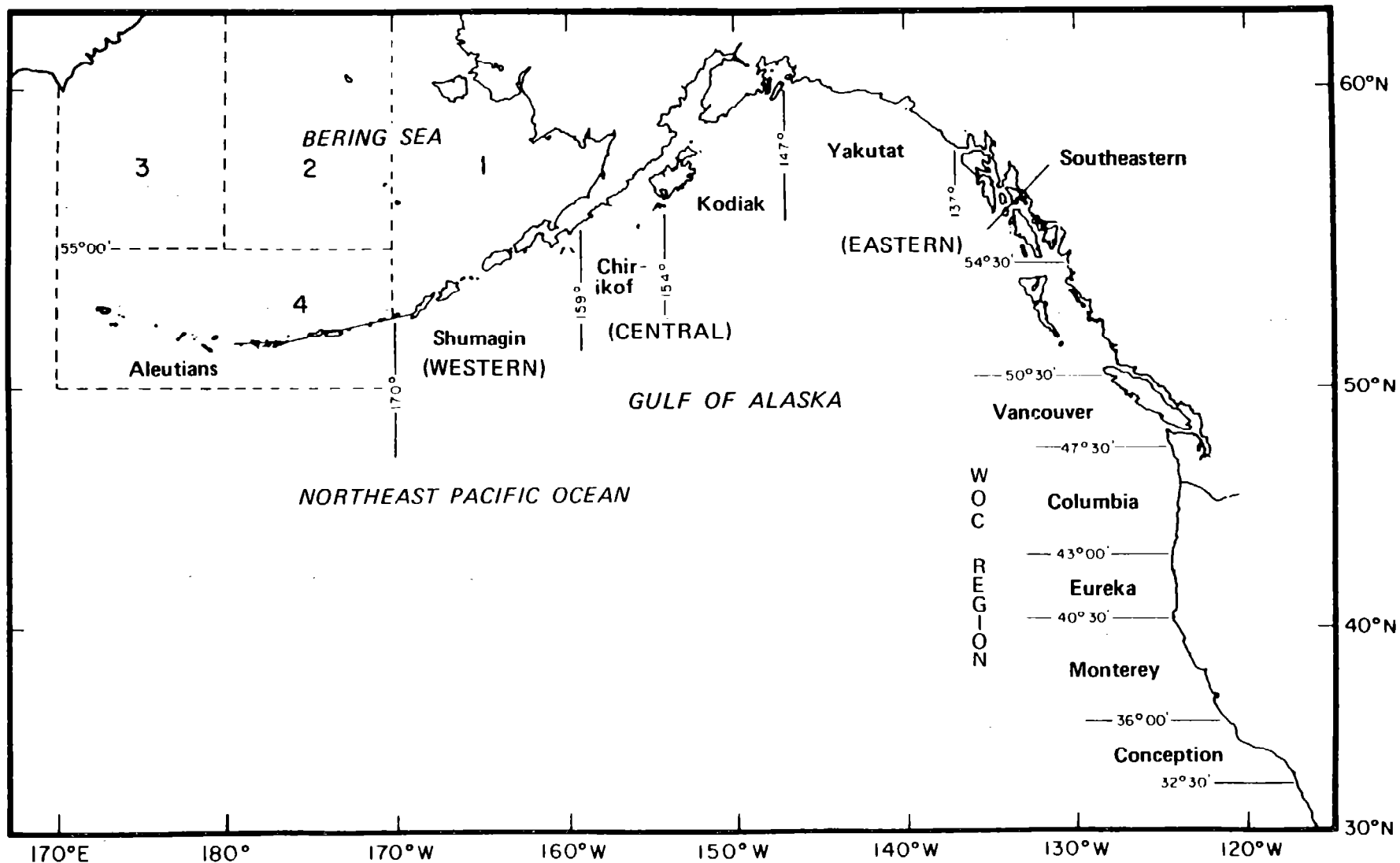


Figure 1. --Statistical and management areas within the Bering Sea and Aleutian Islands, Gulf of Alaska, and Washington-Oregon-California (WOC) regions of the Northeast Pacific Ocean.

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Table 1.--Changes within species groups and management areas.

Region/Year	Change
Washington, Oregon, California	
1977	Flounders group (Order Pleuronectiformes) contains all species of flatfish except Pacific halibut (<u>Hippoglossus stenolepis</u>). Rockfish group (Family Scorpaenidae) contains all species of rockfish. Other fish category consists of squid (Suborder Teuthoidea), octopus (Order Octopoda), and all finfish not included in any of the other species groups listed in Tables 4-11 except Pacific halibut and salmon (<u>Oncorhynchus</u> spp.)
1979	Pacific ocean perch (<u>Sebastes alutus</u>) reported separate from the other rockfish group.
1982	Flounders group renamed flatfish.
Gulf of Alaska	
1977	Flounders group contains all species of flatfish except Pacific halibut. Rockfish group contains all species of rockfish except Pacific ocean perch (POP). Other fish category consists of squid, octopus, and all finfish not included in any of the other species groups listed in Tables 12-23 except Pacific halibut and salmon.
1978	Squid becomes a reported species group.
1979	The POP category becomes the POP complex and contains Pacific ocean perch, sharpchin rockfish (<u>S. zacentrus</u>), shortraker rockfish (<u>S. borealis</u>), northern rockfish (<u>S. polyspinus</u>), and rougheye rockfish (<u>S. aleutianus</u>). Rattails (<u>Coryphaenoides</u> spp.) removed from other fish category. Thornyhead rockfish (<u>Sebastolobus</u> spp.) removed from rockfish category and placed in other fish category. OY (Optimum yield) TALFF (total allowable level of foreign fishing), foreign allocations, and JVP (joint venture processing) determined for three management areas: Western (Shumagin area), Central (Chirikof and Kodiak areas), Eastern (Yakutat and Southeastern areas) (Figure 1).
1980	Rattails become a reported species group. Thornyhead rockfish become a reported species group.
1981	Other fish category redefined to include only sharks (Orders Hexanchiformes and Squaliformes), skates (Order Rajiformes), sculpins (Family Cottidae), eulachon, capelin, and other smelts (Family Osmeridae), and octopus. Any species not assigned to a species group is no longer reported, but must be entered in the vessel's catch logbook. Changes occur in the calculation of OY, JVP, and TALFF, in that for some species groups (squid, thornyhead rockfish, other rockfish, and other fish), the calculations are made Gulf-wide; for sablefish (<u>Anoplopoma fimbria</u>), the calculations in the Eastern Gulf are split by reporting area (Yakutat and Southeastern); for the rest of the species groups, OY, JVP, and TALFF are calculated by management area.

Table 1.--Continued.

Region/Year	Change
1983	Eastern Gulf further subdivided for sablefish, with TALFF available only in W. Yakutat district.
1984	OY, JVP, and TALFF for walleye pollock (<u>Theragra chalcogramma</u>) are calculated for the Western and Central Gulf combined.
Bering Sea/Aleutian Islands	
1977	Flounder group contains all flatfish except yellowfin sole (<u>Limanda aspera</u>) and Pacific halibut. POP group includes only Pacific ocean perch. Other fish category consists of squid, octopus, and all finfish not included in any of the other species groups listed in Tables 24-31 except Pacific halibut and salmon. For three species groups (sablefish, POP, and other fish), the OY, JVP, and TALFF are calculated for the Aleutian Islands area (Figure 1) separate from the rest of the region. For all other species groups, the OY, JVP, and TALFF are calculated for the entire region.
1978	Atka mackerel (<u>Pleurogrammus monopterygius</u>) becomes a reported species group.
1979	The POP category becomes the POP complex and contains Pacific ocean perch, sharpchin rockfish, shortraker rockfish, northern rockfish, and roughey rockfish.
1980	Turbots becomes a reported species group, containing Greenland turbot (<u>Reinhardtius hippoglossoides</u>), arrowtooth flounder (<u>Atheresthes stomias</u>), and Kamchatka flounder (<u>A. evermanni</u>). Other rockfish becomes a reported species group including all species-of rockfish not included in the POP complex. Other fish category is redefined to include only sharks, skates, sculpins, eulachon, capelin, other smelts, and octopus. Any species not assigned to a species group is no longer reported, but must be entered in the vessel's catch logbook. OY, JVP, and TALFF for the other fish category is calculated over the entire region. OY, JVP, and TALFF for walleye pollock are calculated for the Aleutian Islands area separate from the rest of the region.
1981	Herring (<u>Clupea harengus pallasii</u>) can no longer be retained, but the catches of herring must still be reported. Foreign snow crab (<u>Chionoecetes</u> spp.) fishery is no longer permitted.
1984	OY, JVP, and TALFF for the rockfish group are calculated for the Aleutian Islands area separate from the rest of the region.

Table 2.--Poundage fees charged to foreign nations for Washington-Oregon-California (WOC) caught species (dollars per metric ton).

Species	1977	1978	1979	1980	1981	1982	1983	1984
Pacific whiting	34.00	32.00	176.00	176.00	6.00	10.00	10.00	14.00
Jack mackerel	93.00	110.00	110.00	154.00	7.00	12.00	15.00	15.00
Sablefish	13.02	13.97	19.28	55.55	71.00	117.00	150.00	157.00
Flounders	11.13	13.55	14.24	13.90	55.00	91.00	116.00	59.00
Pacific ocean perch	12.25	9.80	12.46	13.90	44.00	73.00	93.00	89.00
Other rockfish	12.25	10.43	12.46	13.90	26.00	43.00	55.00	68.00
Other fish	1.58	1.68	1.71	1.96	22.00	36.00	46.00	49.00

Table 3.-- Poundage fees^{1/} charged to foreign nations for Alaska species (dollars per metric ton).

Species	1977	1978	1979	1980	1981	1982	1983	1984
Walleye pollock	3.43	2.94	6.16	7.70	14.00	23.00	29.00	28.00
Pacific cod	8.79	9.87	12.56	14.67	27.00	45.00	58.00	66.00
Sablefish	13.02	13.97	19.28 ^{3/}	55.55	66.00	109.00	140.00	148.00
Yellowfin sole	11.13	13.55	11.21	13.90	10.00	17.00	22.00	59.00
Other flounders	11.13	13.55	14.24	13.90	10.00	17.00	22.00	59.00 ^{4/}
Atka mackerel	4.55	4.83	7.80	7.81	8.00	13.00	17.00	42.00
Pacific ocean perch ^{2/}	12.25	9.80	12.46	13.90	44.00	73.00	93.00	89.00
Other rockfish	12.25	10.43	12.46	13.90	26.00	43.00	55.00	68.00
Herring	5.64	3.50	3.50	--	--	--	--	--
Other fish	1.58	1.68	1.71	1.96	9.00	15.00	19.00	62.00
Squid	2.87	1.93	16.03	11.34	10.00	17.00	22.00	23.00
Snails	21.00	21.00	57.99	23.03	19.00	31.00	40.00	40.00
Snow crab	15.44	15.44	23.13	30.87	44.00	--	--	--

- ^{1/} Several types of fees are charged to foreign nations which fish in the U.S. fishery conservation zone in order to recoup the costs of managing these fisheries. The poundage fee is a charge for each metric ton of fish taken. The same fee rates are applied to all foreign nations. Originally, fees were set at 3.50 of the U.S. ex-vessel price (or foreign price, if a U.S. price was not available). This system, used 1977 through 1979, was revised in 1980 to more accurately reflect the true value of the fish to the foreign nations. The 1982 fees were 1.66 times the 1981 fees, and the 1983 fees were 1.28 times the 1982 fees.
- 2/ From 1979 on, the Pacific ocean perch category included not only Pacific ocean perch (*Sebastes alutus*), but also sharpchin rockfish (2. *zacentrus*), shortraker rockfish (2. *borealis*), northern rockfish (2. *polyspinus*), and rougheye rockfish (20 *aleutianus*).
- 3/ Trawl-caught pricer longline-caught sablefish were charged \$51.69/t in 1979.
- 4/ In 1984, the National Oceanic and Atmospheric Administration (NOAA) established a two-tiered fee structure for Alaska flatfish (flounders). Those harvested from the Gulf of Alaska were assessed \$59/t, and those from the Bering Sea \$30/t due to their alleged difference in value.

Table 4.--Foreign catch statistics (in metric tons) from the Washington-Oregon-California (WOC) fisheries for Pacific whiting, 1977.

Species	U.S.S.R.		Poland		Total		TALFF	Optimum Yield
	Catch	Alloc. ^{1/}	Catch	Alloc. ^{1/}	Catch	Alloc. ^{1/}		
Pacific whiting	110,208	105,200	16,805	18,000	127,013	123,200	123,200	130,000
Jack mackerel	1,642	2,000	363	2,000	2,005	4,000	4,000	
All rockfish	430	1.3%	90	1.3%	520	1.3%	1.3%	
Sablefish	72	0.2%	6	0.2%	78	0.173%	0.173%	
Flounders	1	0.1%	1	0.1%	2	0.1%	0.1%	
Other fish	<u>160</u>	0.5%	<u>34</u>	0.5%	<u>194</u>	0.5%	0.5%	
Total fish	112,513		17,299		129,812			

^{1/} All non-Pacific whiting (incidental species) allowances based on a percentage of the Pacific whiting allocation (except jack mackerel).

^{2/} TALFF is an acronym for total allowable level of foreign fishing.

Table S.--Foreign and joint venture catch statistics (in metric tons) from the Washington-Oregon-California (WOC) fisheries for Pacific whiting, 1978.

Species	U.S.S.R.		Poland		Mexico ^{1/}		Total		TALFF	Joint Venture		Optimum Yield
	Catch	Alloc. ^{2/}	Catch	Alloc. ^{2/}	Catch	Alloc. ^{2/}	Catch	Alloc. ^{2/}		2,3/ Landings	2,3/ JVP	
Pacific whiting	70,106	89,270	26,721	28,930	0	1,800	96,827	120,000	120,000	856	10,000	130,000
Jack mackerel	673	1,950	214	1,950	0	100	887	4,000	4,000	21	4/	
All rockfish	500	0.8%	204	0.8%	0	0.8%	704	0.8%	0.8%	14	0.8%	
Sablefish	57	0.1%	41	0.1%	0	0.1%	98	0.1%	0.1%	<1	0.1%	
Flounders	2	0.1%	2	0.1%	0	0.1%	4	0.1%	0.1%	<1	0.1%	
Other fish	94	0.5%	69	0.5%	0	0.5%	163	0.5%	0.5%	3	0.5%	
Total fish	71,432		27,251		0		98,683			894		

1/ Mexico received an allocation, but chose not to fish.

2/ All non-Pacific whiting (incidental species) allowances based on a percentage of the Pacific whiting allocation or JVP (except jack mackerel).

3/ TALFF is an acronym for total allowable level of foreign fishing. JVP is an acronym for joint venture processing.

4/ Jack mackerel were included in the "other fish" category if taken incidentally in the joint venture for Pacific whiting.

Table 6.--Foreign and joint, venture catch statistics (in metric tons) from the Washington-Oregon-California (WOC) fisheries for Pacific whiting, 1979.

Species	U.S.S.R.		Poland		Mexico ^{1/}		Total		TALFF ^{2,3/}	Joint Venture		Optimum Yield
	Catch	Alloc. ^{2/}	Catch	Alloc. ^{2/}	Catch	Alloc. ^{2/}	Catch	Alloc. ^{2/}		Landings	JVP ^{2,3/}	
Pacific whiting	96,837	132,077	18,073	23,323	0	6,000	114,910	161,400	161,400	8,834	35,000	198,900
Jack mackerel	710	3.0%	316	3.0%	0	3.0%	1,026	3.0%	3.0%	77	3.0%	
Pacific ocean perch	46	0.062%	8	0.062%	0	0.062%	54	0.062%	0.062%	1	0.062%	
Other rockfish	744	0.738%	141	0.738%	0	0.738%	885	0.738%	0.738%	70	0.738%	
Sablefish	157	0.1%	41	0.1%	0	0.1%	198	0.1%	0.1%	51	0.1%	
Flounders	12	0.1%	2	0.1%	0	0.1%	14	0.1%	0.1%	<1	0.1%	
Other fish	156	0.5%	32	0.5%	0	0.5%	188	0.5%	0.5%	21	0.5%	
Total fish	98,662		18,613		0		117,275			9,054		

^{1/} Mexico received an allocation, but chose not to fish.

^{2/} All non-Pacific whiting (incidental species) allowances based on a percentage of the Pacific whiting allocation or JVP.

^{3/} TALFF is an acronym for total allowable level of foreign fishing. JVP is an acronym for joint venture processing.

Table 7.--Foreign and joint venture catch statistics (in metric tons) from the Washington-Oregon-California (WOC) fisheries for Pacific whiting, 1980.

Species	Poland		Total		TALFF ^{1,2/}	Joint Venture			Optimum Yield
	Catch	Alloc. ^{1/}	Catch	Alloc. ^{1/}		Retained	Discard	Total	JVP ^{1,2/}
Pacific whiting	44,023	120,000	44,023	120,000	120,000	27,537	<u>3/</u>	27,537	43,000
Jack mackerel	1,725	3.0%	1,725	3.0%	3.0%	5	70	75	3.0%
Pacific ocean perch	32	0.062%	32	0.062%	0.062%	<1	29	29	0.062%
Other rockfish	958	0.738%	958	0.738%	0.738%	142	306	448	0.738%
Sablefish	93	0.173%	93	0.173%	0.173%	38	175	213	0.173%
Flounders	2	0.1%	2	0.1%	0.1%	40	6	46	0.1%
Other fish	<u>95</u>	0.5%	<u>95</u>	0.5%	0.5%	<u>18</u>	<u>104</u>	<u>122</u>	0.5%
Total fish	46,928		46,928			27,780	690	28,470	

^{1/} All non-Pacific whiting (incidental species) allowances based on a percentage of the Pacific whiting allocation or JVP.

^{2/} TALFF is an acronym for total allowable level of foreign fishing. JVP is an acronym for joint venture processing.

^{3/} All Pacific whiting landings are treated as being retained.

Table 8.--Foreign and joint venture catch statistics (in metric tons) from the Washington-Oregon-California (WOC) fisheries for Pacific whiting, 1981.

Species	Poland		Bulgaria		Total		TALFF	Joint Venture		Total	JVP	Optimum Yield
	Catch	Alloc. ^{1/}	Catch	Alloc. ^{1/}	Catch	Alloc. ^{1/}		Retained	Discard			
Pacific whiting	63,342	80,000	7,023	10,000	70,365	90,000	95,000	43,557	<u>3/</u>	43,557	75,000	175,000
Jack mackerel	185	3.0%	41	3.0%	226	3.0%	3.0%	3	70	73	3.0%	
Pacific ocean perch	16	0.062%	2	0.062%	18	0.062%	0.062%	2	28	30	0.062%	
Other rockfish	336	0.738%	18	0.738%	354	0.738%	0.738%	134	457	591	0.738%	
Sablefish	111	0.173%	4	0.173%	115	0.173%	0.173%	31	223	254	0.173%	
Flounders	2	0.1%	<1	0.1%	2	0.1%	0.1%	<1	<1	<1	0.1%	
Other fish	<u>202</u>	0.5%	<u>25</u>	0.5%	<u>227</u>	0.5%	0.5%	<u>30</u>	<u>605</u>	<u>635</u>	0.5%	
Total fish	64,194		7,113		71,307			43,757	1,383	45,140		

^{1/} All non-Pacific whiting (incidental species) allowances based on a percentage of the Pacific whiting allocation or JVP.

^{2/} TALFF is an acronym for total allowable level of foreign fishing. JVP is an acronym for joint venture processing.

^{3/} All Pacific whiting landings are treated as being retained.

Table 9.---Foreign and joint venture catch statistics (in metric tons) from the Washington-Oregon-California (WOC) fisheries for Pacific whiting, 1982.

Species	Bulgaria		Total		2,3/ TALFF	Joint Venture ^{1/}				Optimum Yield
	Catch	Alloc. ^{2/}	Catch	Alloc. ^{2/}		Retained	Discard	Total	2,3/ JVP	
Pacific whiting	7,089	10,000	7,089	10,000	35,500	67,465	^{4/} 67,465	67,465	100,000	175,500
Jack mackerel	111	3.0%	111	3.0%	3.0%	0	<1	<1	3.0%	
Pacific ocean perch	<1	0.062%	<1	0.062%	0.062%	1	24	25	0.062%	
Other rockfish	11	0.738%	11	0.738%	0.738%	216	616	832	0.738%	
Sablefish	31	0.173%	31	0.173%	0.173%	13	42	55	0.173%	
Flounders	<1	0.1%	<1	0.1%	0.1%	<1	6	6	0.1%	
Other fish	<u>11</u>	0.5%	<u>11</u>	0.5%	0.5%	<u>10</u>	<u>760</u>	<u>770</u>	0.5%	
Total fish	7,253		7,253			67,705	1,448	69,153		

^{1/} A joint venture fishery for shortbelly rockfish (*Sebastes jordani*) also occurred in 1982, landing 638 t of shortbelly rockfish, 75 t of Pacific whiting, 1 t of other rockfish (excluding Pacific ocean perch), 1 t of sablefish, a trace of flounders, and a trace of other fish.

^{2/} All non-Pacific whiting (incidental species) allowances based on a percentage of the Pacific whiting allocation or JVP.

^{3/} TALFF is an acronym for total allowable level of foreign fishing. JVP is an acronym for joint venture processing.

^{4/} All Pacific whiting landings are treated as being retained.

Table 10.--Foreign and joint venture catch statistics (in metric tons) from the Washington-oregon-California (WOC) fisheries for Pacific whiting, 1983.

Species	Foreign Total		TALFF	Joint Venture			Optimum Yield
	Catch	Alloc. ^{1/}		Retained	Discard	Total	
Pacific whiting	0	0	35,500	72,100	<u>3/</u>	72,100	100,000
Jack mackerel	0		3.0%	0	30	30	3.0%
Pacific ocean perch	0		0.062%	<1	7	7	0.062%
Other rockfish	0		0.738%	30	697	727	0.738%
Sablefish	0		0.173%	6	24	30	0.173%
Flounders	0		0.1%	0	2	2	0.1%
Other fish	<u>0</u>		0.5%	<u>1</u>	<u>349</u>	<u>350</u>	0.5%
Total fish	0			72,137	1,109	73,246	

1/ All non-Pacific whiting (incidental species) allowances based on a percentage of the Pacific whiting allocation or JVP.

2/ TALFF is an acronym for total allowable level of foreign fishing. JVP is an acronym for joint venture processing.

3/ All Pacific whiting landings are treated as being retained.

Table 11.--Foreign and joint venture catch statistics (in metric tone) from the Washington-Oregon-California (WOC) fisheries for Pacific whiting, 1984.

Species	U.S.S.R.		Poland		Total		TALFF	Joint Venture				Optimum Yield
	Catch	Alloc. ^{1/}	Catch	Alloc. ^{1/}	Catch	Alloc.		Retained	Discard	Total	JVP ^{1,2/}	
Pacific whiting	462	5,000	14,310	20,000	14,772	25,000	30,500	78,889	3/	78,889	100,000	175,500
Jack mackerel	<1	3.0%	115	3.0%	115	3.0%	3.0%	1	78	79	3.0%	
Pacific ocean perch	<1	0.062%	1	0.062%	1	0.062%	0.062%	<1	9	9	0.062%	
Other rockfish	7	0.738%	173	0.738%	180	0.738%	0.738%	140	421	561	0.738%	
Sablefish	<1	0.173%	<1	0.173%	<1	0.173%	0.173%	4	21	25	0.173%	
Flounders	0	0.1%	0	0.1%	0	0.1%	0.1%	<1	1	1	0.1%	
Other fish	4	0.5%	9	0.5%	13	0.5%	0.5%	13	77	90	0.5%	
Total fish	473		14,608		15,081			79,047	607	79,654		

^{1/} All non-Pacific whiting (incidental species) allowances based on a percentage of the Pacific whiting allocation or JVP.

^{2/} TALFF is an acronym for total allowable level of foreign fishing. JVP is an acronym for joint venture processing.

^{3/} All Pacific whiting landings are treated as being retained.

Table 12.--Foreign catch statistics (in metric tons) from the Gulf of Alaska region, 1977.

Species	Japan		U S S R		South Korea		Poland		Total		2/ TALFF	Optimum Yield
	Catch	Alloc.	Catch	Alloc.	Catch	Alloc.	Catch	Alloc.	Catch	Alloc.		
Walleye pollock	41,170	44,100	39,570	63,100	35,838	35,800	1,256	6,000	117,834	149,000	149,000	150,000
Flounders	15,456	18,700	582	1,800	0	0	0	0	16,038	20,500	20,500	23,500
Pacific cod	1,244	1,600	744	600	0	0	0	100	1,988	2,300	2,300	6,300
Atka mackerel	0	0	19,246	21,000	0	0	209	1,000	19,455	22,000	22,000	22,000
Sablefish	14,350 ^{1/}	13,900	8	0	1,599	1,600	0	0	15,957	15,500 ^{1/}	19,500	22,000
Pacific ocean perch	- ^{1/}	19,800	1,681	8,700	603	500	0	0	2,284	29,000 ^{1/}	29,000	30,000
Other rockfish	21,155 ^{1/}	2,700	139	1,200	0	100	0	0	21,294 ^{1/}	4,000	4,000	5,000
Other fish	<u>3,518</u>	<u>4,200</u>	<u>1,107</u>	<u>11,800</u>	<u>17</u>	<u>100</u>	<u>0</u>	<u>100</u>	<u>4,642</u>	<u>16,200</u>	<u>16,200</u>	<u>16,200</u>
Total	96,893	105,000	63,077	108,200	38,057	38,100	1,465	7,200	199,492	258,500	262,500	275,000

^{1/} Japanese reported Pacific ocean perch combined with other rockfish.

^{2/} TALFF is an acronym for total allowable level of foreign fishing.

Table 13.--Foreign and joint venture catch statistics (in metric tons) from the Gulf of Alaska region for the 1978 calendar year.

Species	Japan		U S S R		South Korea		Poland		Mexico		Total		Joint Venture			Optimum Yield
	Catch	Alloc.	Catch	Alloc.	Catch	Alloc.	Catch	Alloc.	Catch	Alloc.	Catch	Alloc.	TALFP	Landings	2/ JVP	
Walleye pollock	26,093	40,740	42,020	56,710	27,052	31,810	1,227	15,840	0	6,000	96,392	151,100	151,100	34		168,800
Flounders	13,809	21,370	196	2,030	296	200	13	100	0	100	14,314	23,800	24,300	5		33,500
Pacific cod	8,846	14,722	1,142	5,518	1,369	1,662	14	798	0	2,400	11,371	25,100	25,100	7		40,600
Atka mackerel	1,136	2,000	18,389	21,570	63	100	0	1,030	0	100	19,588	24,800	24,800	<1		24,800
Sablefish	6,458	8,750	5	100	665	1,000	0	50	0	100	7,128	10,000	10,200	0		15,000
Pacific ocean perch	4,548	6,448	573	9,023	3,049	5,001	4	2,428	0	1,000	8,174	23,900	23,900	<1		25,000
Other rockfish	1,277	1,510	1	2,045	609	1,185	9	636	0	224	1,896	5,600	5,600	1		7,600
Other fish	3,919	5,090	383	6,060	1,687	2,595	0	1,455	0	500	5,989	15,700	15,700	1		16,200
Total fish	66,086	100,630	62,709	103,056	34,790	43,553	1,267	22,337	0	10,424	164,852	280,000	280,700	48		331,500
Squid	186	1,155	2	100	133	145	1	50	0	450	322	1,900	1,900	0		2,000
Total	66,272	101,785	62,711	103,156	34,923	43,698	1,268	22,387	0	10,874	165,174	281,900	282,600	48		333,500

1/ 1978 was an 11 month fishing year (January 1, 1978 - November 30, 1978); the catches and optimum yields listed in this table are for the 1978 calendar year; the allocations and the total allowable level of foreign fishing (TALFP) listed are for the fishing year.

2/ Joint venture processing (JVP) was not apportioned separately from domestic processing until 1980.

Table 14.--Foreign and joint venture catch statistics (in metric tons) from the Gulf of Alaska region for the 1978 fishing year.^{1/}

Species	Japan		USSR		South Korea		Poland		Mexico		Total		2/ TALFF	Joint Venture		Optimum 4/ Yield
	Catch	Alloc.	Catch	Alloc.	Catch	Alloc.	Catch	Alloc.	Catch	Alloc.	Catch	Alloc.		Landings	3/ JVP	
Walleye pollock	26,093	40,740	41,956	56,710	27,052	31,810	1,227	15,840	0	6,000	96,328	151,100	151,100	34		168,000
Flounders	13,809	21,370	196	2,030	296	200	13	100	0	100	14,314	23,800	24,300	5		33,500
Pacific cod	8,846	14,722	1,140	5,518	1,369	1,662	14	798	0	2,400	11,369	25,100	25,100	7		40,600
Atka mackerel	1,136	2,000	18,387	21,570	63	100	0	1,030	0	100	19,586	24,800	24,800	<1		24,800
Sablefish	6,458	8,750	4	100	665	1,000	0	50	0	100	7,127	10,000	10,200	0		15,000
Pacific ocean perch	4,548	6,448	570	9,023	3,049	5,001	4	2,428	0	1,000	8,171	23,900	23,900	<1		25,000
Other rockfish	1,277	1,510	1	2,045	609	1,185	0	636	0	224	1,896	5,600	5,600	1		7,600
Other fish	3,919	5,090	381	6,060	1,687	2,595	0	1,455	0	500	5,987	15,700	15,700	1		16,200
Total fish	66,086	100,630	62,635	103,056	34,790	43,553	1,267	22,337	0	10,424	164,778	280,000	280,700			331,500
Squid	186	1,155	2	100	133	145	1	50	0	450	322	1,900	1,900	0		2,000
Total	66,272	101,785	62,637	103,156	34,923	43,698	1,268	22,387	0	10,874	165,100	281,900	282,600	48		333,500

1/ January 1, 1978 - November 30, 1978.

2/ TALFF is an acronym for total allowable level of foreign fishing.

3/ Joint venture processing (JVP) was not apportioned separately from domestic processing until 1980.

4/ The optimum yields are for the 1978 calendar year.

Table 15.--Foreign and joint venture catch statistics (in metric tons) from the Gulf of Alaska region for the 1979 calendar year.

	Japan		U.S.S.R.		South Korea		Poland		Mexico		Total		Joint Venture			Optimum Yield
Species	Catch	Alloc.	Catch	Alloc.	Catch	Alloc.	Catch	Alloc.	Catch	Alloc.	Catch	Alloc.	TALFF	Landings	2/ JVP	
Walleye pollock																
Western	1,366	3,042	170	15,436	23,312	22,116	249	9,489	5,121	6,842	30,218	56,925	56,925	22		57,000
Central	27,700	30,878	17,087	35,998	0	0	19,302	10,034	3,508	3,510	67,597	84,420	84,420	530		95,200
Eastern	2,854	4,359	43	5,864	2,427	5,814	0	0	48	1,818	5,372	15,855	15,855	14		16,600
Total	31,920	38,279	17,300	55,298	25,739	27,930	19,551	19,523	8,677	12,170	103,187	157,200	157,200	566		168,800
Flounders																
Western	2,202	8,300	26	640	556	530	15	470	17	310	2,816	10,250	10,250	7		10,400
Central	4,588	11,710	338	2,042	0	0	4	420	96	128	5,026	14,300	14,300	62		14,700
Eastern	5,579	6,858	5	155	48	300	0	0	0	162	5,632	7,475	7,475	1		8,400
Total	12,369	26,868	369	2,837	604	830	19	890	113	600	13,474	32,025	32,025	70		33,500
Pacific cod																
Western	3,067	6,721	6	450	787	889	9	400	100	400	3,969	8,860	8,860	8		9,600
Central	7,012	8,566	828	2,980	0	0	118	324	839	3,200	8,797	15,070	15,070	701		19,400
Eastern	350	2,291	1	514	57	1,465	0	0	0	1,100	408	5,370	5,370	4		5,800
Total	10,429	17,578	835	3,944	844	2,354	127	724	939	4,700	13,174	29,300	29,300	713		34,800
Atka mackerel																
Western	322	1,648	5	2,090	81	95	<1	520	11	42	419	4,395	4,395	0		4,400
Central	234	550	10,259	16,008	0	0	0	734	25	98	10,518	19,390	19,390	1		19,400
Eastern	11	520	0	1,729	0	425	0	0	0	316	11	2,990	2,990	0		3,000
Total	567	2,718	10,264	21,827	81	520	<1	1,254	36	456	10,948	26,775	26,775	1		26,800
Sablefish																
Western	807	1,550	3	65	161	290	0	25	28	35	999	1,965	1,965	<1		2,100
Central	2,984	3,190	148	280	0	0	0	45	27	55	3,159	3,570	3,570	18		3,800
Eastern	2,128	2,385	1	80	598	695	0	0	0	110	2,727	3,270	3,270	<1		7,100
Total	5,919	7,125	152	425	759	985	0	70	55	200	6,885	8,805	8,805	18		13,000
POP complex																
Western	652	910	30	262	193	195	2	871	67	237	944	2,475	2,475	1		2,700
Central	948	1,182	1,030	4,714	0	0	3	259	390	200	2,371	6,355	6,355	32		7,900
Eastern	5,798	5,381	5	2,853	632	4,004	0	0	0	1,682	6,435	13,920	13,920	35		14,400
Total	7,398	7,473	1,065	7,829	825	4,199	5	1,130	457	2,119	9,750	22,750	22,750	68		25,000

^{1/} 1979 was an 11 month fishing year (December 1, 1978 - October 31, 1979). The catches and the optimum yields listed in this table are for the 1979 calendar year; the allocations and the total allowable level of foreign fishing (TALFF) listed are for the fishing year.

^{2/} Joint venture processing (JVP) was not apportioned separately from domestic processing until 1980.

Table 15.--Continued.

Species	Japan		U.S.S.R.		South Korea		Poland		Mexico		Total		Joint Venture			Optimum Yield
	Catch	Alloc.	Catch	Alloc.	Catch	Alloc.	Catch	Alloc.	Catch	Alloc.	Catch	Alloc.	TALFF	Landings	JVP ² /	
Other rockfish																
Western	29	115	<1	14	12	16	0	75	4	10	45	230	230	0		300
Central	102	199	112	126	0	0	19	79	3	96	236	500	500	17		800
Eastern	962	1,519	10	1,642	173	1,822	0	0	0	962	1,145	5,945	5,945	5		6,500
Total	1,093	1,833	122	1,782	185	1,838	19	154	7	1,068	1,426	6,675	6,675	22		7,600
Other fish																
Western	427	910	9	1,065	469	665	0	740	25	900	930	4,280	4,280	0		4,400
Central	1,157	3,194	930	4,242	0	0	14	464	76	480	2,177	8,380	8,380	34		8,600
Eastern	686	538	0	280	288	2,202	0	0	0	70	974	3,090	3,090	<1		3,200
Total	2,270	4,642	939	5,587	757	2,867	14	1,204	101	1,450	4,081	15,750	15,750	34		16,200
Total fish																
Western	8,872	23,196	249	20,022	25,571	24,796	275	12,590	5,373	8,776	40,340	89,380	89,380	38		90,900
Central	44,725	59,469	30,732	72,390	0	0	19,460	12,359	4,964	7,767	99,881	151,985	151,985	1,395		169,800
Eastern	18,368	23,851	65	11,117	4,223	16,727	0	0	48	6,220	22,704	57,915	57,915	59		65,000
Total	71,965	106,516	31,046	103,529	29,794	41,523	19,735	24,949	10,385	22,763	162,925	299,280	299,280	1,492		325,700
Squid																
Western	37	170	<1	282	84	171	9	217	4	155	134	995	995	0		1,000
Central	85	714	1	680	0	0	<1	271	9	325	95	1,990	1,990	0		2,000
Eastern	137	531	0	590	59	549	0	0	0	320	196	1,990	1,990	<1		2,000
Total	259	1,415	1	1,552	143	720	9	488	13	800	425	4,975	4,975	<1		5,000
Total																
Western	8,909	23,366	249	20,304	25,655	24,967	284	12,807	5,377	8,931	40,474	90,375	90,375	38		91,900
Central	44,810	60,183	30,733	73,070	0	0	19,460	12,630	4,973	8,092	99,976	153,975	153,975	1,395		171,800
Eastern	18,505	24,382	65	11,707	4,282	17,276	0	0	48	6,540	22,900	59,905	59,905	59		67,000
Total	72,224	107,931	31,047	105,081	29,937	42,243	19,744	25,437	10,398	23,563	163,350	304,255	304,255	1,492		330,700

1/ 1979 was an 11 month fishing year (December 1, 1978 - October 31, 1979). The catches and the optimum yields listed in this table are for the 1979 calendar year; the allocations and the total allowable level of foreign fishing (TALFF) listed are for the fishing year.

2/ Joint venture processing (JVP) was not apportioned separately from domestic processing until 1980.

Table 16.--Foreign and joint venture catch statistics (in metric tons) from the Gulf of Alaska region for the 1979 fishing year.

Species	Japan		U.S.S.R.		South Korea		Poland		Mexico		Total		2/ TALFF	Joint Venture		Optimum 4/ Yield
	Catch	Alloc.	Catch	Alloc.	Catch	Alloc.	Catch	Alloc.	Catch	Alloc.	Catch	Alloc.		Landings	3/ JVP	
Walleye pollock																
Western	1,354	3,042	170	15,436	21,065	22,116	249	9,489	4,096	6,842	26,934	56,925	56,925		22	57,000
Central	25,990	30,878	13,609	39,998	0	0	9,119	10,034	3,508	3,510	52,226	84,420	84,420		530	95,200
Eastern	2,844	4,359	43	3,864	2,427	5,814	0	0	48	1,818	5,362	15,855	15,855		14	6,600
Total	30,188	38,279	13,822	59,298	23,492	27,930	9,368	19,523	7,652	12,170	84,522	157,200	157,200		566	168,800
Flounders																
Western	2,185	8,300	26	640	428	530	15	470	15	310	2,669	10,250	10,250		7	10,400
Central	4,286	11,710	306	2,042	0	0	2	420	96	128	4,690	14,300	14,300		62	14,700
Eastern	5,222	6,858	5	155	48	300	0	0	0	162	5,275	7,475	7,475		1	8,400
Total	11,693	26,868	337	2,837	476	830	17	890	111	600	12,634	32,025	32,025		70	33,500
Pacific cod																
Western	2,722	6,721	6	450	610	889	9	400	86	400	3,433	8,860	8,860		8	9,600
Central	5,252	8,566	761	2,980	0	0	42	324	839	3,200	6,894	15,070	15,070		701	19,400
Eastern	276	2,291	1	514	57	1,465	0	0	0	1,100	334	5,370	5,370		4	5,800
Total	8,250	17,578	768	3,944	667	2,354	51	724	925	4,700	10,661	29,300	29,300		713	34,800
Atka mackerel																
Western	321	1,648	5	2,090	48	95	<1	520	3	42	377	4,395	4,395		0	4,400
Central	199	550	9,728	18,008	0	0	0	734	25	98	9,952	19,390	19,390		1	19,400
Eastern	11	520	0	1,729	0	425	0	0	0	316	11	2,990	2,990		0	3,000
Total	531	2,718	9,733	21,827	48	520	<1	1,254	28	456	10,340	26,775	26,775		1	26,800
Sablefish																
Western	777	1,550	3	65	160	290	0	25	27	35	967	1,965	1,965		<1	2,100
Central	2,642	3,190	98	280	0	0	0	45	27	55	2,767	3,570	3,570		18	3,800
Eastern	1,910	2,385	1	80	584	695	0	0	0	110	2,495	3,270	3,270		<1	7,100
Total	5,329	7,125	102	425	744	985	0	70	54	200	6,229	8,805	8,805		18	13,000
POP complex																
Western	651	910	30	262	157	195	2	871	60	237	900	2,475	2,475		1	2,700
Central	840	1,182	1,014	4,714	0	0	1	259	390	200	2,245	6,355	6,355		32	7,900
Eastern	5,588	5,381	5	2,853	631	4,004	0	0	0	1,682	6,224	13,920	13,920		35	14,400
Total	7,079	7,473	1,049	7,829	788	4,199	3	1,130	450	2,119	9,369	22,750	22,750		68	25,000

1/ December 1, 1978 - October 31, 1979.

2/ TALFF is an acronym for total allowable level of foreign fishing.

3/ Joint venture (JVP) processing was not apportioned separately from domestic processing until 1980.

4/ The optimum yields are for the 1979 calendar year.

Table 16--Continued.

Species	Japan		U.S.S.R.		South Korea		Poland		Mexico		Total		Joint Venture		Optimum
	Catch	Alloc.	Catch	Alloc.	Catch	Alloc.	Catch	Alloc.	Catch	Alloc.	Catch	Alloc.	2/ TALFF	3/ Landings JVP	4/ Yield
Other rockfish															
Western	28	115	<1	14	10	16	0	75	4	10	42	230	230	0	300
Central	79	199	111	126	0	0	15	79	3	96	208	500	500	17	800
Eastern	955	1,519	10	1,642	173	1,822	0	0	0	962	1,138	5,945	5,945	5	6,500
Total	1,062	1,833	121	1,782	183	1,838	15	154	7	1,068	1,388	6,675	6,675	22	7,600
Other fish															
Western	412	910	9	1,065	419	665	0	740	22	900	862	4,280	4,280	0	4,400
Central	1,097	3,194	930	4,242	0	0	4	464	76	480	2,107	8,380	8,380	34	8,600
Eastern	657	538	0	280	288	2,202	0	0	0	70	945	3,090	3,090	<1	3,200
Total	2,166	4,642	939	5,587	707	2,867	4	1,204	98	1,450	3,914	15,750	15,750	34	16,200
Total fish															
Western	8,450	23,196	249	20,022	22,897	24,796	275	12,590	4,313	8,776	36,184	89,380	89,380	38	90,900
Central	40,385	59,469	26,557	72,390	0	0	9,183	12,359	4,964	7,767	81,089	151,985	151,985	1,395	169,800
Eastern	17,463	23,851	65	11,117	4,208	16,727	0	0	48	6,220	21,784	57,915	57,915	59	65,000
Total	66,298	106,516	26,871	103,529	27,105	41,523	9,458	24,949	9,325	22,763	139,057	299,280	299,280	1,492	325,700
Squid															
Western	36	170	<1	282	71	171	9	217	3	155	119	995	995	0	1,000
Central	80	714	<1	680	0	0	<1	271	9	325	89	1,190	1,990	0	2,000
Eastern	136	531	0	590	59	549	0	0	0	320	195	1,990	1,990	<1	2,000
Total	252	1,415	<1	1,552	130	720	9	488	12	800	403	4,975	4,975	<1	5,000
Total															
Western	8,486	23,366	249	20,304	22,968	24,967	284	12,807	4,316	8,931	36,303	90,375	90,375	38	91,900
Central	40,465	60,183	26,557	73,070	0	0	9,183	12,630	4,973	8,092	81,178	153,975	153,975	1,395	171,800
Eastern	17,599	24,832	65	11,707	4,267	17,276	0	0	48	6,540	21,979	59,905	59,905	59	67,000
Total	66,550	107,931	26,871	105,081	27,235	42,243	9,467	25,437	9,337	23,563	139,460	304,255	304,255	1,492	330,700

1/ December 1, 1978 - October 31, 1979.

2/ TALFF is an acronym for total allowable level of foreign fishing.

3/ Joint venture processing (JVP) was not apportioned separately from domestic processing until 1980.

4/ The optimum yields are for the 1979 calendar year.

Table 17.--Foreign and joint venture catch statistics (in metric tons) from the Gulf of Alaska region for the 1980 calendar year.^{1/}

Species	Japan		U.S.S.R.		South Korea		Poland		Mexico		Total		Joint Venture			
	Catch	Alloc.	Catch	Alloc.	Catch	Alloc.	Catch	Alloc.	Catch	Alloc.	Catch	Alloc.	TALFP	Landings	JVP	Optimum Yield
Walleye pollock																
Western	378	360	15,495	16,025	24,926	24,878	5,849	12,293	0	0	46,648	53,556	53,556	113	2,419	57,000
Central	32,975	40,915	21,506	24,917	0	0	7,237	15,172	0	4,822	61,718	85,826	88,615	1,023	4,307	95,200
Eastern	4,544	5,470	0	0	87	3,727	0	0	0	5,806	4,631	15,003	15,752	0	153	16,600
Total	37,897	46,745	37,001	40,942	25,013	28,605	13,086	27,465	0	10,628	112,997	154,385	157,923	1,136	6,879	168,800
Flounders																
Western	336	2,090	976	2,960	1,710	3,640	0	1,410	0	0	3,022	10,100	10,100	11	200	10,400
Central	6,022	10,750	863	1,000	0	0	<1	405	0	1,285	6,885	13,440	13,580	198	820	14,700
Eastern	5,566	6,550	0	0	24	685	0	0	0	395	5,590	7,630	7,830	0	280	8,400
Total	11,924	19,390	1,839	3,960	1,734	4,325	<1	1,815	0	1,680	15,497	31,170	31,510	209	1,300	33,500
Pacific cod																
Western	6,624	9,882	361	1,198	1,627	2,600	9	1,000	0	0	8,621	14,680	14,680	13	1,040	16,560
Central	21,954	25,485	1,581	1,882	0	0	46	940	0	800	23,581	29,107	29,382	453	1,370	33,540
Eastern	2,004	5,440	0	0	39	2,385	0	0	0	1,450	2,043	9,275	9,380	0	90	9,900
Total	30,582	40,807	1,942	3,080	1,666	4,985	55	1,940	0	2,250	34,245	53,062	53,442	466	2,500	60,000
Atka mackerel																
Western	35	277	899	2,882	736	1,066	48	413	0	0	1,718	4,638	4,638	0	40	4,678
Central	1,690	5,516	9,574	13,848	0	0	9	400	0	426	11,273	20,190	20,756	3	80	20,836
Eastern	172	940	0	0	0	1,215	0	0	0	829	172	2,984	3,136	0	50	3,186
Total	1,897	6,733	10,473	16,730	736	2,281	57	813	0	1,255	13,163	27,812	28,530	3	170	28,700
Sablefish																
Western	734	1,125	127	240	589	620	0	90	0	0	1,450	2,075	2,075	0	10	2,100
Central	2,706	2,899	289	400	0	0	0	70	0	230	2,995	3,599	3,629	20	126	3,800
Eastern	1,392	1,668	0	0	302	565	0	0	0	55	1,694	2,288	2,288	0	112	7,100
Total	4,832	5,692	416	640	891	1,185	0	160	0	285	6,139	7,962	7,992	20	248	13,000
POP complex																
Western	169	440	290	1,020	353	590	29	375	0	0	841	2,425	2,425	0	250	2,700
Central	3,040	4,285	949	1,600	0	0	1	505	0	1,075	3,990	7,465	7,583	20	90	7,900
Eastern	7,561	10,250	0	0	55	2,720	0	0	0	985	7,616	13,955	14,155	0	235	14,400
Total	10,770	14,975	1,239	2,620	408	3,310	30	880	0	2,060	12,447	23,845	24,163	20	575	25,000

^{1/} 1980 was a 12 month fishing year spanning parts of two calendar years (November 1, 1979 - October 31, 1980); the catches and optimum yields listed in this table are for the 1980 calendar year; the allocations and the total allowable level of foreign fishing (TALFP) listed are for the fishing year.

^{2/} JVP is an acronym for joint venture processing.

^{3/} Includes thornyhead rockfish allocation.

Table 17.-Continued.

Species	Japan		U.S.S.R.		South Korea		Poland		Mexico		Total		Joint Venture			Optimum Yield
	Catch	Alloc.	Catch	Alloc.	Catch	Alloc.	Catch	Alloc.	Catch	Alloc.	Catch	Alloc.	TALFF	Landings	JVP ^{2/}	
Thornyhead rockfish																
Western	129		1		99		0		0		229			0		
Central	589		2		0		0		0		591			0		
Eastern	498		0		33		0		0		531			0		
Total	1,216	2,373	3	500	132	495	0	132	0	220	1,351	3,720	3,744	0	0	3,750
Other rockfish																
Western	12	30	2	50	41	125	3	20	0	0	58	225	225	0	30	300
Central	166	400	5	150	0	0	1	55	0	45	172	650	660	8	50	800
Eastern	2,608	3,430	0	0	11	1,930	0	0	0	775	2,619	6,135	6,262	0	120	6,500
Total	2,786	3,860	7	200	52	2,055	4	75	0	820	2,849	7,010	7,147	8	200	7,600
Rattails																
Western	606	2,756	5	30	128	441	0	40	0	0	739	3,267	3,267	0	0	3,300
Central	1,760	6,828	0	70	0	0	0	70	0	70	1,760	7,038	7,067	0	0	7,100
Eastern	461	1,170	0	0	0	314	0	0	0	30	461	1,514	1,534	0	0	2,800
Total	2,827	10,754	5	100	128	755	0	110	0	100	2,960	11,819	11,868	0	0	13,200
Other fish																
Western	157	510	248	1,329	1,319	2,006	34	315	0	0	1,758	4,160	4,160	0	50	4,400
Central	1,700	4,441	1,393	2,246	0	0	11	910	0	510	3,104	8,107	8,235	49	120	8,600
Eastern	692	1,430	0	0	1	1,180	0	0	0	400	693	3,010	3,020	0	10	3,200
Total	2,549	6,381	1,641	3,575	1,320	3,186	45	1,225	0	910	5,555	15,277	15,415	49	180	16,200
Total fish																
Western	9,180	17,470	18,404	25,734	31,528	35,966	5,972	15,956	0	0	65,084	95,126	95,126	137	4,039	101,438
Central	72,602	101,519	36,162	46,113	0	0	7,305	18,527	0	9,263	116,069	175,422	179,507	1,774	6,963	192,476
Eastern	25,498	36,348	0	0	552	14,721	0	0	0	10,725	26,050	61,794	63,357	0	1,050	72,086
Total	107,280	157,710 ^{3/}	54,566	72,347 ^{3/}	32,080	51,182 ^{3/}	13,277	34,615 ^{3/}	0	20,208 ^{3/}	207,203	336,062 ^{3/}	341,734 ^{3/}	1,911	12,052	369,750 ^{3/}
Squid																
Western	7	151	1	330	104	433	0	81	0	0	112	995	995	0	5	1,000
Central	371	947	36	660	0	0	<1	265	0	75	407	1,947	1,990	0	10	2,000
Eastern	319	615	0	0	3	490	0	0	0	825	322	1,930	1,990	0	10	2,000
Total	697	1,713	37	990	107	923	<1	346	0	900	841	4,872	4,975	0	25	5,000
Total																
Western	9,187	17,621	18,405	26,064	31,632	36,399	5,972	16,037	0	0	65,196	96,121	96,121	137	4,044	102,438
Central	72,973	102,466	36,198	46,773	0	0	7,305	18,792	0	9,338	116,476	177,369	181,497	1,774	6,973	194,476
Eastern	25,817	36,963	0	0	555	15,211	0	0	0	11,550	26,372	63,724	65,347	0	1,060	74,086
Total	107,977	159,423 ^{3/}	54,603	73,337 ^{3/}	32,187	52,165 ^{3/}	13,277	34,961 ^{3/}	0	21,108 ^{3/}	208,044	340,934 ^{3/}	346,709 ^{3/}	1,911	12,077	374,750 ^{3/}

^{1/} 1980 was a 12 month fishing year spanning parts of two calendar years (November 1, 1979 - October 31, 1980); the catches and optimum yields listed in this table are for the 1980 calendar year; the allocations and the total allowable level of foreign fishing (TALFF) listed are for the fishing year.

^{2/} JVP is an acronym for joint venture fishing.

^{3/} Includes thornyhead rockfish allocation.

Table 18.--Foreign and joint venture catch statistics (in metric tons) from the Gulf of Alaska region for the 1980 fishing year. 1/

Species	Japan		U.S.S.R.		South Korea		Poland		Mexico		Total		2/ TALFF	Joint Venture		2/ JVP	Optimum ^{3/} Yield
	Catch	Alloc.	Catch	Alloc.	Catch	Alloc.	Catch	Alloc.	Catch	Alloc.	Catch	Alloc.		Landings			
Walleye pollock																	
Western	97	360	15,495	16,025	27,101	24,878	5,214	12,293	0	0	47,907	53,556	53,556	113	2,419		57,000
Central	32,237	40,915	25,049	24,917	0	0	14,818	15,172	0	4,822	72,104	85,826	88,615	1,023	4,307		95,200
Eastern	4,512	5,470	0	0	87	3,727	0	0	0	5,806	4,599	15,003	15,752	0	153		16,600
Total	36,846	46,745	40,544	40,942	27,188	28,605	20,032	27,465	0	10,628	124,610	154,385	157,923	1,136	6,879		168,800
Flounders																	
Western	287	2,090	976	2,960	1,961	3,640	0	1,410	0	0	3,224	10,100	10,100	11	200		10,400
Central	6,189	10,750	895	1,000	0	0	2	405	0	1,285	7,086	13,440	13,580	198	820		14,700
Eastern	5,729	6,550	0	0	24	685	0	0	0	395	5,753	7,630	7,830	0	280		8,400
Total	12,205	19,390	1,871	3,960	1,985	4,325	2	1,815	0	1,680	16,063	31,170	31,510	209	1,300		33,500
Pacific cod																	
Western	6,717	9,882	361	1,198	1,824	2,600	9	1,000	0	0	8,911	14,680	14,680	13	1,040		16,560
Central	22,676	25,485	1,651	1,882	0	0	136	940	0	800	24,463	29,107	29,382	453	1,370		33,540
Eastern	2,094	5,440	0	0	39	2,385	0	0	0	1,450	2,133	9,275	9,380	0	90		9,900
Total	31,487	40,807	2,012	3,080	1,863	4,985	145	1,940	0	2,250	35,507	53,062	53,442	466	2,500		60,000
Atka mackerel																	
Western	35	277	900	2,882	769	1,066	0	413	0	0	1,704	4,638	4,638	0	40		4,678
Central	1,698	5,516	10,107	13,848	0	0	0	400	0	426	11,805	20,190	20,756	3	80		20,836
Eastern	172	940	0	0	0	1,215	0	0	0	829	172	2,984	3,136	0	50		3,186
Total	1,905	6,733	11,007	16,730	769	2,281	0	813	0	1,255	13,681	27,812	28,530	3	170		28,700
Sablefish																	
Western	726	1,125	127	240	589	620	0	90	0	0	1,442	2,075	2,075	0	10		2,100
Central	2,843	2,899	341	400	0	0	0	70	0	230	3,184	3,599	3,629	20	126		3,800
Eastern	1,558	1,668	0	0	316	565	0	0	0	55	1,874	2,288	2,288	0	112		7,100
Total	5,127	5,692	468	640	905	1,185	0	160	0	285	6,500	7,962	7,992	20	248		13,000
POP complex																	
Western	90	440	290	1,020	390	590	29	375	0	0	799	2,425	2,425	0	250		2,700
Central	3,020	4,285	968	1,600	0	0	2	505	0	1,075	3,990	7,465	7,583	20	90		7,900
Eastern	7,541	10,250	0	0	56	2,720	0	0	0	985	7,597	13,955	14,155	0	235		14,400
Total	10,651	14,975	1,258	2,620	446	3,310	31	880	0	2,060	12,386	23,845	24,163	20	575		25,000

1/ November 1, 1979 - October 31, 1980.

2/ TALFF is an acronym for total allowable level of foreign fishing. JVP is an acronym for joint venture processing.

3/ Optimum yields are for the 1980 calendar year.

4/ Includes thornyhead rockfish allocation.

Table 18.--Continued.

Species	Japan		U.S.S.R.		South Korea		Poland		Mexico		Total		Joint Venture			Optimum Yield ^{3/}
	Catch	Alloc.	Catch	Alloc.	Catch	Alloc.	Catch	Alloc.	Catch	Alloc.	Catch	Alloc.	TALFF ^{2/}	Landings	JVP ^{2/}	
Thornyhead rockfish																
Western	124		1		99		0		0		224			0		
Central	584		2		0		0		0		586			0		
Eastern	504		0		33		0		0		537			0		
Total	1,212	2,373	3	500	132	495	0	132	0	220	1,347	3,720	3,744	0	0	3,750
Other rockfish																
Western	10	30	2	50	43	125	3	20	0	0	58	225	225	0	30	300
Central	160	400	6	150	0	0	4	55	0	45	170	650	660	8	50	800
Eastern	2,607	3,430	0	0	11	1,930	0	0	0	775	2,618	6,135	6,262	0	120	6,500
Total	2,777	3,860	8	200	54	2,055	7	75	0	820	2,846	7,010	7,147	8	200	7,600
Rattails																
Western	595	2,756	5	30	128	441	0	40	0	0	728	3,267	3,267	0	0	3,300
Central	1,849	6,828	2	70	0	0	0	70	0	70	1,851	7,038	7,067	0	0	7,100
Eastern	601	1,170	0	0	0	314	0	0	0	30	601	1,514	1,534	0	0	2,800
Total	3,045	10,754	7	100	128	755	0	110	0	100	3,180	11,819	11,868	0	0	13,200
Other fish																
Western	148	510	248	1,329	1,368	2,006	34	315	0	0	1,798	4,160	4,160	0	50	4,400
Central	1,658	4,441	1,395	2,246	0	0	18	910	0	510	3,071	8,107	8,235	49	120	8,600
Eastern	680	1,430	0	0	2	1,180	0	0	0	400	682	3,010	3,020	0	10	3,200
Total	2,486	6,381	1,643	3,575	1,370	3,186	52	1,225	0	910	5,551	15,277	15,415	49	180	16,200
Total fish																
Western	8,829	17,470	18,405	25,734	34,272	35,966	5,289	15,956	0	0	66,795	95,126	95,126	137	4,039	101,438
Central	72,914	101,519	40,416	46,113	0	0	14,980	18,527	0	9,263	128,310	175,422	179,507	1,774	6,963	192,476
Eastern	25,998	36,348	0	0	568	14,721	0	0	0	10,725	26,566	61,794	63,357	0	1,050	72,086
Total	107,741	157,710 ^{4/}	58,821	72,347 ^{4/}	34,840	51,182 ^{4/}	20,269	34,615 ^{4/}	0	20,208 ^{4/}	221,671	336,062 ^{4/}	341,734 ^{4/}	1,911	12,052	369,750 ^{4/}
Squid																
Western	6	151	1	330	117	433	0	81	0	0	124	995	995	0	5	1,000
Central	370	947	36	660	0	0	<1	265	0	75	406	1,947	1,990	0	10	2,000
Eastern	317	615	0	0	3	490	0	0	0	825	320	1,930	1,990	0	10	2,000
Total	693	1,713	37	990	120	923	<1	346	0	900	850	4,872	4,975	0	25	5,000
Total																
Western	8,835	17,621	18,406	26,064	34,389	36,399	5,289	16,037	0	0	66,919	96,121	96,121	137	4,044	102,438
Central	73,284	102,466	40,452	46,773	0	0	14,980	18,792	0	9,338	128,716	177,369	181,497	1,774	6,973	194,476
Eastern	26,315	36,963	0	0	571	15,211	0	0	0	11,550	26,886	63,724	65,347	0	1,060	74,086
Total	108,434	159,423 ^{4/}	58,858	73,337 ^{4/}	34,960	52,105 ^{4/}	20,269	34,961 ^{4/}	0	21,108 ^{4/}	222,521	340,934 ^{4/}	346,709 ^{4/}	1,911	12,077	374,750 ^{4/}

^{1/} November 1, 1979 - October 31, 1980.^{2/} TALFF is an acronym for total allowable level of foreign fishing. JVP is an acronym for joint venture processing.^{3/} Optimum yields are for the 1980 calendar year.^{4/} Includes thornyhead rockfish allocation.

Table 19.--Foreign and joint venture catch statistics (in metric tone) from the Gulf of Alaska region for the 1981 calendar year. _

	Japan		South Korea		Poland		Total			Joint Venture		Optimum Yield
Species	Catch	Alloc.	Catch	Alloc.	Catch	Alloc.	Catch	Alloc.	TALFF	Landings	^{2/} JVP	
Walleye pollock												
Western	14,125	29,539	17,191	17,082	16,244	16,216	47,560	62,837	63,117	21	3,354	57,000
Central	33,604	43,792	16,961	19,178	23,624	26,210	74,189	89,180	89,740	16,836	18,049	95,200
Eastern	4,156	9,054	4,400	4,478	19	4,251	8,575	17,783	17,783	0	773	16,600
Total	51,885	82,385	38,552	40,738	39,887	46,677	130,324	169,800	170,640	16,857	22,176	168,800
Flounders												
Western	1,229	8,484	1,984	2,269	11	1,154	3,224	11,907	11,917	0	100	10,400
Central	3,448	12,461	2,307	2,825	4	1,337	5,759	16,623	16,643	18	157	14,700
Eastern	4,725	6,352	735	1,516	0	745	5,460	8,613	8,613	0	137	8,400
Total	9,402	27,297	5,026	6,610	15	3,236	14,443	37,143	37,173	18	394	33,500
Pacific cod												
Western	9,032	14,479	2,241	2,440	41	778	11,314	17,697	17,727	<1	413	16,560
Central	17,141	29,428	4,094	5,095	94	1,489	21,329	36,012	36,072	58	598	33,540
Eastern	1,595	7,966	731	1,424	0	445	2,326	9,835	9,835	0	188	9,900
Total	27,768	51,873	7,066	8,959	135	2,712	34,969	63,544	63,634	58	1,199	60,000
Atka mackerel												
Western	699	1,830	2,551	2,705	221	885	3,471	5,420	5,420	0	38	4,678
Central	2,701	8,260	11,193	12,000	59	3,989	13,953	24,249	24,249	0	60	20,836
Eastern	237	1,261	1,066	1,830	0	609	1,303	3,700	3,700	0	17	3,186
Total	3,637	11,351	14,810	16,535	280	5,483	18,727	33,369	33,369	0	115	28,700
Sablefish												
Western	1,341	1,828	224	402	1	100	1,566	2,330	2,335	0	98	2,100
Central	2,790	3,140	629	677	3	183	3,422	4,000	4,010	<1	56	3,800
Yakutat	2,705	2,877	208	538	0	141	2,913	3,556	3,661 ^{3/}	0	138 ^{3/}	6,400 ^{3/}
Southeastern	74	89	0	14	0	2	74	105		0		
Total	6,910	7,934	1,061	1,631	4	426	7,975	9,991	10,006	<1	292	12,300

1/ 1981 was a 14 month fishing year (November 1, 1980 - December 31, 1981): the catches and optimum yields listed in this table are for the 1981 calendar year; the allocations and the total allowable level of foreign fishing (TALFF) listed are for the fishing year.

2/ JVP is an acronym for joint venture processing.

3/ Yakutat and Southeastern areas combined.

Table 1g.--Continued.

Species	Japan		South Korea		Poland		Total		Joint Venture			Optimum Yield
	Catch	Alloc.	Catch	Alloc.	Catch	Alloc.	Catch	Alloc.	TALFF	Landings	JVP ² /	
POP complex												
Western	742	2,115	463	605	29	318	1,234	3,038	3,048	1	73	2,700
Central	3,377	6,275	878	1,643	13	914	4,268	8,832	8,852	0	221	7,900
Eastern	6,224	6,779	443	1,515	7	626	6,674	8,920	11,906	0	1,441	14,400
Total	10,343	15,169	1,784	3,763	49	1,858	12,176	20,790	23,806	1	1,735	25,000
Thornyhead rockfish												
Gulf-wide	1,120	3,298	220	802	0	253	1,340	4,353	4,368	0	0	3,750
Other rockfish												
Gulf-wide	2,146	4,133	2,179	3,143	16	1,061	4,341	8,337	8,367	0	133	7,600
Other fish												
Gulf-wide	2,085	9,960	4,349	5,035	678	2,038	7,112	17,033	17,093	33	523	16,200
Total fish												
Western	27,168	58,275	24,654	25,503	16,547	19,451	68,369	103,229	103,564	22	4,076	93,438
Central	63,061	103,356	36,062	41,418	23,797	34,122	122,920	178,896	179,566	16,912	19,141	175,976
Eastern ³ /	19,716	34,378	7,583	11,315	26	6,819	27,325	52,512	55,498	0	2,694	58,886
Gulf-wide	5,351	17,391	6,748	8,980	694	3,352	12,793	29,723	29,828	33	656	27,550
Total	115,296	213,400	75,047	87,216	41,064	63,744	231,407	364,360	368,456	16,967	26,567	355,850
Squid												
Gulf-wide	554	4,039	562	1,216	19	508	1,135	5,763	5,808	<1	25	5,000
Total												
Western	27,168	58,275	24,654	25,503	16,547	19,451	68,369	103,229	103,564	22	4,076	93,438
Central	63,061	103,356	36,062	41,418	23,797	34,122	122,920	178,896	179,566	16,912	19,141	175,976
Eastern ³ /	19,716	34,378	7,583	11,315	26	6,819	27,325	52,512	55,498	0	2,694	58,886
Gulf-wide	5,905	21,430	7,310	10,196	713	3,860	13,928	35,486	35,636	33	681	32,550
Total	115,850	217,439	75,609	88,432	41,083	64,252	232,542	370,123	374,264	16,967	26,592	360,850

1/ 1981 was a 14 month fishing year (November 1, 1980 - December 31, 1981): the catches and optimum yields listed in this table are for the 1981 calendar year; the allocations and the total allowable level of foreign fishing (TALFF) listed are for the fishing year.

2/ JVP is an acronym for joint venture processing.

3/ Yakutat and Southeastern areas combined.

Table 20.--Foreign and joint venture catch statistics (in metric tons) from the Gulf of Alaska region for the 1901 fishing year.

	Japan		South Korea		Poland		Total			Joint Venture		Optimum
Species	Catch	Alloc.	Catch	Alloc.	Catch	Alloc.	Catch	Alloc.	TALFF	Landings	JVP ² /	Yield
Walleye pollock												
Western	14,425	29,539	17,191	17,082	16,878	16,216	48,494	62,837	63,117	21	3,354	57,000
Central	37,535	43,792	16,961	19,178	26,684	26,210	81,180	89,180	89,740	16,836	18,049	95,200
Eastern	4,200	9,054	4,400	4,478	19	4,251	8,619	17,783	17,783	0	773	16,600
Total	56,160	82,385	38,552	40,738	43,581	46,677	138,293	169,800	170,640	16,857	22,176	168,800
Flounders												
Western	1,295	8,484	1,984	2,269	11	1,154	3,290	11,907	11,917	0	100	10,400
Central	3,634	12,461	2,307	2,825	4	1,337	5,945	16,623	16,643	18	157	14,700
Eastern	5,020	6,352	735	1,516	0	745	5,755	8,613	8,613	0	137	8,400
Total	9,949	27,297	5,026	6,610	15	3,236	14,990	37,143	37,173	18	394	33,500
Pacific cod												
Western	9,319	14,479	2,241	2,440	42	778	11,602	17,697	17,727	<1	413	16,560
Central	18,285	29,428	4,094	5,095	95	1,489	22,474	36,012	36,072	58	598	33,540
Eastern	1,615	7,966	731	1,424	0	445	2,346	9,835	9,835	0	188	9,900
Total	29,219	51,873	7,066	8,959	137	2,712	36,422	63,544	63,634	58	1,199	60,000
Atka mackerel												
Western	699	1,830	2,552	2,705	268	885	3,519	5,420	5,420	0	38	4,678
Central	2,712	8,260	11,193	12,000	69	3,989	13,974	24,249	24,249	0	60	20,836
Eastern	237	1,261	1,066	1,830	0	609	1,303	3,700	3,700	0	17	3,186
Total	3,648	11,351	14,811	16,535	337	5,483	18,796	33,369	33,369	0	115	28,700
Sablefish												
Western	1,375	1,828	225	402	1	100	1,601	2,330	2,335	0	98	2,100
Central	2,916	3,140	629	677	3	183	3,548	4,000	4,010	<1	56	3,800
Yakutat	2,707	2,877	208	538	0	141	2,915	3,556	3,661 ³ /	0	138 ³ /	6,400 ³ /
Southeastern	76	89	0	14	0	2	76	105		0		
Total	7,074	7,934	1,062	1,631	4	426	8,140	9,991	10,006	<1	292	12,300

1/ 1981 was a 14 month fishing year (November 1, 1980 - December 31, 1981): the catches and optimum yields listed in this table are for the 1981 calendar year; the catches, the allocations, and the total allowable level of foreign fishing (TALFF) listed are for the fishing year.

2/ JVP is an acronym for joint venture processing.

3/ Yakutat and Southeastern areas combined.

Table 20.--Continued.

Species	Japan		South Korea		Poland		Total		TALFF	Joint Venture		Optimum Yield
	Catch	Alloc.	Catch	Alloc.	Catch	Alloc.	Catch	Alloc.		Landings	^{2/} JVP	
POP complex												
Western	828	2,115	464	605	29	318	1,321	3,038	3,048	1	73	2,700
Central	3,473	6,275	878	1,643	14	914	4,365	8,832	8,852	0	221	7,900
Eastern	6,454	6,779	443	1,515	7	626	6,904	8,920	11,906	0	1,441	14,400
Total	10,755	15,169	1,785	3,763	50	1,858	12,590	20,790	23,806	1	1,735	25,000
Thornyhead rockfish												
Gulf-wide	1,164	3,298	221	802	0	253	1,385	4,353	4,368	0	0	3,750
Other rockfish												
Gulf-wide	2,175	4,133	2,179	3,143	17	1,061	4,371	8,337	8,367	0	133	7,600
Other fish												
Gulf-wide	2,227	9,960	4,349	5,035	682	2,038	7,258	17,033	17,093	33	523	16,200
Total fish												
Western	27,941	58,275	24,657	25,503	17,229	19,451	69,827	103,229	103,564	22	4,076	93,438
Central	68,555	103,356	36,062	41,418	26,869	34,122	131,486	178,896	179,566	16,912	19,141	175,976
Eastern ^{3/}	20,309	34,378	7,583	11,315	26	6,819	27,918	52,512	55,498	0	2,694	58,886
Gulf-wide	5,566	17,391	6,749	8,980	699	3,352	13,014	29,723	29,828	33	656	27,550
Total	122,371	213,400	75,051	87,216	44,823	63,744	242,245	364,360	368,456	16,967	26,567	355,850
Squid												
Gulf-wide	569	4,039	562	1,216	19	508	1,150	5,763	5,808	<1	25	5,000
Total												
Western	27,941	58,275	24,657	25,503	17,229	19,451	69,827	103,229	103,564	22	4,076	93,438
Central	68,555	103,356	36,062	41,418	26,869	34,122	131,486	178,896	179,566	16,912	19,141	175,976
Eastern ^{3/}	20,309	34,378	7,583	11,315	26	6,819	27,918	52,512	55,498	0	2,694	58,886
Gulf-wide	6,135	21,430	7,311	10,196	718	3,860	14,164	35,486	35,636	33	681	32,550
Total	122,940	217,439	75,613	88,432	44,842	64,252	243,395	370,123	374,264	16,967	26,592	360,850

^{1/} 1981 was a 14 month fishing year (November 1, 1980 - December 31, 1981): the optimum yields listed in this table are for the 1981 calendar year; the catches, allocations, and the total allowable level of foreign fishing (TALFF) listed are for the fishing year.

^{2/} JVP is an acronym for joint venture processing.

^{3/} Yakutat and Southeastern areas combined.

Table 21.--Foreign and joint venture catch statistics (in metric tons) from the Gulf- of Alaska region, 1982.

	<u>Japan</u>		<u>South Korea</u>		<u>West Germany</u>		<u>Total</u>		<u>Joint Venture</u>			<u>Optimum Yield</u>
<u>Species</u>	<u>Catch</u>	<u>Alloc.</u>	<u>Catch</u>	<u>Alloc.</u>	<u>Catch</u>	<u>Alloc.</u>	<u>Catch</u>	<u>Alloc.</u>	<u>TALFF</u> ^{1/}	<u>Landings</u>	<u>JVP</u> ^{1/}	
Walleye pollock												
Western	21,678	36,980	18,550	18,325	0	420	40,228	55,725	55,725	145	1,250	57,000
Central	33,342	43,314	19,016	19,106	0	420	52,358	62,840	62,840	73,772	26,980	95,200
Eastern	26	10,613	0	5,772	0	0	26	16,385	16,505	0	0	16,600
Total	55,046	90,907	37,566	43,203	0	840	92,612	134,950	135,070	73,917	28,230	168,800
Flounders												
Western	804	5,123	608	4,565	0	12	1,412	9,700	9,700	6	600	10,400
Central	5,742	8,105	1,774	5,463	0	12	7,516	13,580	14,480	12	120	14,700
Eastern	57	6,440	1	1,600	0	0	58	8,040	8,300	0	0	8,400
Total	6,603	19,668	2,383	11,628	0	24	8,986	31,320	32,480	18	720	33,500
Pacific cod												
Western	6,491	10,682	539	641	0	45	7,030	11,368	11,368	21	1,040	16,560
Central	15,889	25,273	1,947	5,172	0	45	17,836	30,490	30,490	172	370	33,540
Eastern	2,070	8,163	0	1,667	0	0	2,070	9,830	9,830	0	0	9,900
Total	24,450	44,118	2,486	7,480	0	90	26,936	51,688	51,688	193	1,410	60,000
Atka mackerel												
Western	1,922	2,277	1,241	2,288	0	23	3,163	4,588	4,588	0	90	4,678
Central	165	3,636	3,431	17,108	0	12	3,596	20,756	20,756	0	80	20,836
Eastern	1	1,310	0	1,851	0	0	1	3,161	3,186	0	0	3,186
Total	2,088	7,223	4,672	21,247	0	35	6,760	28,505	28,530	0	170	28,700
Sablefish												
Western	1,323	1,459	166	194	0	7	1,489	1,660	1,830	<1	170	2,100
Central	2,486	2,575	404	467	0	8	2,890	3,050	3,050	1	20	3,800
Yakutat	1,112	1,269	154	149	0	0	1,266	1,418	2,020	0	200	3,400
Southeastern	0	34	0	6	0	0	0	40	90	0	90	3,000
Total	4,921	5,337	724	816	0	15	5,645	6,168	6,990	1	480	12,300

1/ TALFF is an acronym for total allowable level of foreign fishing. JVP is an acronym for joint venture processing.

2/ Includes Yakutat and Southeastern areas sablefish catch.

Table 21 .--Continued.

Species	Japan		South Korea		West Germany		Total		Joint Venture			Optimum Yield
	Catch	Alloc.	Catch	Alloc.	Catch	Alloc.	Catch	Alloc.	TALFF	1/ Landings	JVP	
POP complex												
Western	1,407	2,048	339	492	0	15	1,746	2,555	2,555	0	120	2,700
Central	5,732	6,687	493	1,043	0	15	6,225	7,745	7,745	3	60	7,900
Eastern	17	344	<1	429	0	0	17	773	775	0	0	875
Total	7,156	9,079	832	1,964	0	30	7,988	11,073	11,075	3	180	11,475
Thornyhead rockfish												
Gulf-wide	659	3,061	129	668	0	15	788	3,744	3,744	0	0	3,750
Other rockfish												
Gulf-wide	1,284	3,983	408	3,187	0	30	1,692	7,200	7,200	0	100	7,600
Other fish												
Gulf-wide	1,001	9,614	1,048	4,806	0	60	2,049	14,480	15,380	301	620	16,200
Total fish												
Western	33,625	58,569	21,443	26,505	0	522	55,068	85,596	85,766	172	3,270	93,438
Central	63,356	89,590	27,065	48,359	0	512	90,421	138,461	139,361	73,960	27,630	175,976
Eastern ^{2/}	3,283	28,173	155	11,474	0	0	3,438	39,647	40,706	0	290	45,361
Gulf-wide	2,944	16,658	1,585	8,661	0	105	4,529	25,424	26,324	301	720	27,550
Total	103,208	192,990	50,248	94,999	0	1,139	153,456	289,128	292,157	74,433	31,910	342,325
Squid												
Gulf-wide	202	3,763	76	1,042	0	45	278	4,850	4,950	16	50	5,000
Total												
Western	33,625	58,569	21,443	26,505	0	522	55,068	85,596	85,766	172	3,270	93,438
Central	63,356	89,590	27,065	48,359	0	512	90,421	138,461	139,361	73,960	27,630	175,976
Eastern ^{2/}	3,283	28,173	155	11,474	0	0	3,438	39,647	40,706	0	290	45,361
Gulf-wide	3,146	20,421	1,661	9,703	0	150	4,807	30,274	31,274	317	770	32,550
Total	103,410	196,753	50,324	96,041	0	1,184	153,734	293,978	297,107	74,449	31,960	347,325

1/ TALFF is an acronym for total allowable level of foreign fishing. JVP is an acronym for joint venture processing.

2/ Includes Yakutat and Southeastern areas sablefish catch.

Table 22.--Foreign and joint venture catch statistics (in metric tons) from the Gulf of Alaska region, 1983.

Species	Japan		South Korea		Total		1/ TALFF	Joint Venture		Optimum Yield
	Catch	Alloc.	Catch	Alloc.	Catch	Alloc.		Landings	1/ JVP	
Walleye pollock										
Western	17,492	26,256	21,827	21,463	39,319	47,719	56,225	497	750	57,000
Central	30,192	32,677	11,806	11,113	41,998	43,790	45,000	133,634	132,620	183,000
Eastern	41	59	0	26	41	85	16,505	0	0	16,600
Total	47,725	58,992	33,633	32,602	81,358	91,594	117,730	134,131	133,370	256,600
Flounders										
Western	753	1,643	1,267	1,680	2,020	3,323	9,700	171	600	10,400
Central	6,084	6,874	1,376	1,375	7,460	8,249	13,580	2,521	820	14,700
Eastern	50	76	1	83	51	159	8,200	0	0	8,400
Total	6,887	8,593	2,644	3,138	9,531	11,731	31,480	2,692	1,420	33,500
Pacific cod										
Western	8,102	10,104	533	1,214	8,635	11,318	14,968	469	1,040	16,560
Central	18,470	24,069	710	1,979	19,180	26,048	26,148	1,957	2,712	33,540
Eastern	1,959	6,431	3	2,762	1,962	9,193	9,820	0	0	9,900
Total	28,531	40,604	1,246	5,955	29,777	46,559	50,936	2,426	3,752	60,000
Atka mackerel										
Western	1,498	1,804	1,096	1,075	2,594	2,879	3,952	789	726	4,678
Central	1,308	2,571	7,568	7,566	8,876	10,137	20,656	1	180	20,836
Eastern	0	94	0	15	0	109	3,186	0	0	3,186
Total	2,806	4,469	8,664	8,656	11,470	13,125	27,794	790	906	28,700
Sablefish										
Western	1,124	1,202	238	198	1,362	1,400	1,400	134	170	1,670
Central	2,220	2,318	301	342	2,521	2,660	2,660	141	140	3,060
Eastern	990	1,204	92	160	1,082	1,364	1,414	0	0	4,750 ^{2/}
Total	4,334	4,724	631	700	4,965	5,424	5,474	275	310	9,480

1/ TALFF is an acronym for total allowable level of foreign fishing. JVP is an acronym for joint venture processing.

2/ Foreign nations were only allowed to fish in the W. Yakutat district. The optimum yield in that district was 1,680 t.

Table 22.--Continued.

Species	Japan		South Korea		Total		Joint Venture			
	Catch	Alloc.	Catch	Alloc.	Catch	Alloc.	TALFF	1/ Landings	JVP	1/ Optimum Yield
POP complex										
Western	531	791	141	379	672	1,170	2,031	1,934	644	2,700
Central	4,459	5,429	266	850	4,725	6,279	6,745	41	960	7,900
Eastern	18	222	1	68	19	290	825	0	0	875
Total	5,008	6,442	408	1,297	5,416	7,739	9,601	1,975	1,604	11,475
Thornyhead rockfish										
Gulf-wide	680	2,850	38	644	718	3,494	3,724	12	20	3,750
Other rockfish										
Gulf-wide	1,191	3,534	521	2,762	1,712	6,296	7,000	289	200	7,600
Other fish										
Gulf-wide	1,235	9,171	1,020	4,561	2,255	13,732 ^{3/}	13,274	391	340	18,743
Total fish										
Western	29,500	41,800	25,102	26,009	54,602	67,809	88,276	3,994	3,930	93,008
Central	62,733	73,938	22,027	23,225	84,760	97,163	114,789	138,295	137,432	263,036
Eastern	3,058	8,086	97	3,114	3,155	11,200	39,950	0	0	43,711
Gulf-wide	3,106	15,555	1,579	7,967	4,685	23,522	23,998	692	560	30,093
Total	98,397	139,379	48,805	60,315	147,202	199,694	267,013	142,981	141,922	429,848
Squid										
Gulf-wide	252	3,538	15	1,012	267	4,550	4,990	4	10	5,000
Total										
Western	29,500	41,800	25,102	26,009	54,602	67,809	88,276	3,994	3,930	93,008
Central	62,733	73,938	22,027	23,225	84,760	97,163	114,789	138,295	137,432	263,036
Eastern	3,058	8,086	97	3,114	3,155	11,200	39,950	0	0	43,711
Gulf-wide	3,358	19,093	1,594	8,979	4,952	28,072	28,988	696	570	35,093
Total	98,649	142,917	48,820	61,327	147,469	204,244	272,003	142,985	141,932	434,898

1/ TALFF is an acronym for total allowable level of foreign fishing. JVP is an acronym for joint venture processing.

2/ Foreign nations were only allowed to fish in the W. Yakutat district. The optimum yield in that district was 1,680 t.

3/ Due to an error in the original calculation of the OY and subsequent TALFF, the total allocation of other fish ended up larger than the final value of the TALFF for other fish.

Table 23.--Foreign and joint-venture catch statistics (in metric tone) from the Gulf of Alaska region, 1984.

Species	Japan		South Korea		Poland		Total		1/ TALFF	Joint Venture		Optimum Yield
	Catch	Alloc.	Catch	Alloc.	Catch	Alloc.	Catch	Alloc.		Landings	1/ JVP	
Walleye pollock												
W & C ^{2/}	57,874	77,810	38,554	38,526	2,832	3,350	99,260	119,686	180,700	207,104	210,300	400,000
Eastern	0	10	0	5	0	0	0	15	16,300	0	0	16,600
Total	57,874	77,820	38,554	38,531	2,832	3,350	99,260	119,701	197,000	207,104	210,300	416,600
Flounders												
Western	422	6,510	181	200	0	4	603	6,714	8,310	567	2,090	10,400
Central	1,768	2,107	639	841	23	5	2,430	2,953	3,040	2,882	8,620	14,700
Eastern	0	626	0	9	0	0	0	635	8,100	0	0	8,400
Total	2,190	9,243	820	1,050	23	9	3,033	10,302	19,450	3,449	10,710	33,500
Pacific cod												
Western	10,564	11,673	279	725	0	22	10,843	12,420	12,498	305	3,562	16,560
Central	4,687	4,591	357	1,342	10	23	5,054	5,956	10,240	4,344	14,600	33,540
Eastern	0	927	0	10	0	0	0	937	9,780	0	0	9,900
Total	15,251	17,191	636	2,077	10	45	15,897	19,313	32,518	4,649	18,162	60,000
Atka mackerel												
Western	476	644	3	1,785	0	13	479	2,442	2,942	578	1,336	4,678
Central	56	4,762	2	13,618	<1	13	58	18,393	18,503	7	2,333	20,836
Eastern	0	48	0	5	0	0	0	53	3,186	0	0	3,186
Total	532	5,454	5	15,408	<1	26	537	20,888	24,631	585	3,669	28,700
Sablefish												
Western	693	936	61	100	0	1	754	1,037	1,114	283	200	1,670
Central	151	567	195	95	8	2	354	664	798	245	290	3,060
Eastern	0	10	0	5	0	0	0	15	40	0	0	4,750 ^{3/}
Total	844	1,513	256	200	8	3	1,108	1,716	1,952	528	490	9,480
POP complex												
Western	162	255	52	37	0	1	214	293	390	1,441	1,770	2,700
Central	2,332	2,900	39	402	14	1	2,385	3,303	3,700	293	2,000	7,900
Eastern	0	14	0	3	0	0	0	17	240	0	0	875
Total	2,494	3,169	91	442	14	2	2,599	3,613	4,330	1,734	3,770	11,475

1/ TALFF is an acronym for total allowable level of foreign fishing. JVP is an acronym for joint venture processing.

2/ Western and Central Gulf areas combined.

3/ Foreign nations were only allowed to fish in the W. Yakutat district. The optimum yield in that district was 1,680 t.

4/ Including W & C.

Table 23.--Continued.

Species	Japan		South Korea		Poland		Total		1/ TALFF	Joint Venture		1/ Optimum Yield
	Catch	Alloc.	Catch	Alloc.	Catch	Alloc.	Catch	Alloc.		Landings	JVP	
Thornyhead rockfish												
Gulf-wide	158	2,287	5	637	1	5	164	2,929	3,550	19	50	3,750
Other rockfish												
Gulf-wide	376	1,663	37	1,711	1	5	414	3,379	5,185	284	500	7,600
Other fish												
Gulf-wide	468	10,182	87	4,592	21	80	576	14,854	26,531	1,268	1,400	28,780
Total fish												
Western	12,317	20,018	576	2,847	0	41	12,893	22,906	25,254	3,174	8,958	36,008
Central	8,994	14,927	1,232	16,298	55	44	10,281	31,269	36,281	7,771	27,843	80,036
Eastern	0	1,635	0	37	0	0	0	1,672	37,646	0	0	43,711
Gulf-wide ^{4/}	58,876	91,942	38,683	45,466	2,855	3,440	100,414	140,848	215,966	208,675	212,250	440,130
Total	80,187	128,522	40,491	64,648	2,910	3,525	123,588	196,695	315,147	219,620	249,051	599,885
Squid												
Gulf-wide	100	3,127	17	949	3	5	120	4,081	4,890	5	10	5,000
Grand Total												
Western	12,317	20,018	576	2,847	0	41	12,893	22,906	25,254	3,174	8,958	36,008
Central	8,994	14,927	1,232	16,298	55	44	10,281	31,269	36,281	7,771	27,843	80,036
Eastern	0	1,635	0	37	0	0	0	1,672	37,646	0	0	43,711
Gulf-wide ^{4/}	58,976	95,069	38,700	46,415	2,858	3,445	100,534	144,929	220,856	208,680	212,260	445,130
Total	80,287	131,649	40,508	65,597	2,913	3,530	123,708	200,776	320,037	219,625	249,061	604,885

1/ TALFF is an acronym for total allowable level of foreign fishing. JVP is an acronym for joint venture processing.

2/ Western and Central Gulf areas combined.

3/ Foreign nations were only allowed to fish in the W. Yakutat district. The optimum yield in that district was 1,680 t.

4/ Including W & C.

Table 24.--Foreign catch statistics (in metric tons) from the Bering Sea/Aleutian Islands region, 1977.

Species	Japan		U S S R		South Korea		Taiwan		Total		1/ TALFF	Optimum Yield
	Catch	Alloc.	Catch	Alloc.	Catch	Alloc.	Catch	Alloc.	Catch	Alloc.		
Walleye pollock	868,728	792,300	63,466	112,700	45,226	40,000	944	5,000	978,364	950,000	950,000	950,000
Flounders	130,127 ^{2/}	61,500	6,224	40,400	0	0	0	0	136,351 ^{2/}	101,900	100,000	100,000
Yellowfin sole	- ^{2/}	62,100	284	40,800	0	0	0	0	284 ^{2/}	102,900	106,000	106,000
Pacific cod	35,607	38,100	282	17,200	0	0	0	0	35,889	55,300	58,000	58,000
Sablefish												
Bering Sea	2,687	3,600	0	600	2	400	53	200	2,742	4,800	5,000	5,000
Aleutians	1,810	2,000	0	200	87	200	0	0	1,897	2,400	2,400	2,400
Total	4,497	5,600	0	800	89	600	53	200	4,639	7,200	7,400	7,400
Pacific ocean perch												
Bering Sea	2,316	2,800	90	3,500	400	0	0	0	2,806	6,300	6,500	6,500
Aleutians	7,211	6,500	716	8,100	83	0	0	0	8,010	14,600	15,000	15,000
Total	9,527	9,300	806	11,600	483	0	0	0	10,816	20,900	21,500	21,500
Herring	6,178	5,800	13,145	13,600	0	0	0	0	19,323	19,400	20,000	21,000
Other fish												
Bering Sea	41,596	40,400	598	17,400	1,893	1,600	103	200	44,190	59,600	59,600	59,600
Aleutians	16,594	23,100	33,927	9,900	0	890	0	110	50,521	34,000	34,000	34,000
Total	58,190	63,500	34,525	27,300	1,893	2,490	103	310	94,711	93,600	93,600	93,600
Total fish	1,112,854	1,038,200	118,732	264,400	47,691	43,090	1,100	5,510	1,280,377	1,351,200	1,356,500	1,357,500
Squid	8,362	10,000	0	0	0	0	0	0	8,362	10,000	10,000	10,000
Snails	404	2,700	0	0	0	0	0	0	404	2,700	3,000	3,000
Snow crab	12,471	12,500	0	0	0	0	0	0	12,471	12,500	15,000	70,381
Total	1,134,091	1,063,400	118,732	264,400	47,691	43,090	1,100	5,510	1,301,614	1,376,400	1,384,500	1,440,881

1/ TALFF is an acronym for total allowable level of foreign fishing.

2/ Japanese reported yellowfin sole combined with flounders.

Table 25.--Foreign catch statistics (in metric tons) from the Bering Sea/Aleutian Islands region, 1978.

Species	Japan		U S S R		South Korea		Taiwan		Total		1/ TALFF	Optimum Yield
	Catch	Alloc.	Catch	Alloc.	Catch	Alloc.	Catch	Alloc.	Catch	Alloc.		
Walleye pollock	821,307	792,300	92,714	92,700	62,371	60,000	3,040	5,000	979,432	950,000	950,000	950,000
Flounders	87,786	100,790	37,379	57,350	309	710	68	150	125,542	159,000	159,000	159,000
Yellowfin sole	59,737	68,700	50,532	56,950	66	200	1	150	110,336	126,000	126,000	126,000
Pacific cod	45,015	49,680	560	17,650	1,753	2,520	70	150	47,398	70,000	70,000	70,500
Atka mackerel	1,531	2,000	22,622	22,600	97	100	0	100	24,250	24,800	24,800	24,800
Sablefish												
Bering Sea	1,007	2,340	0	275	182	210	5	75	1,194	2,900	2,900	3,000
Aleutians	798	1,170	0	165	23	125	0	40	821	1,500	1,500	1,500
Total	1,805	3,510	0	440	205	335	5	115	2,015	4,400	4,400	4,500
Pacific ocean perch												
Bering Sea	1,928	3,100	75	3,075	220	300	7	25	2,230	6,500	6,500	6,500
Aleutians	4,848	6,200	167	8,050	271	700	0	50	5,286	15,000	15,000	15,000
Total	6,776	9,300	242	11,125	491	1,000	7	75	7,516	21,500	21,500	21,500
Herring	2,315	2,580	6,106	6,060	19	20	0	10	8,440	8,670	8,670	18,670
Other fish												
Bering Sea	42,706	45,915	10,663	17,345	2,175	3,000	0	340	55,544	66,600	66,600	66,600
Aleutians	15,335	25,900	143	6,365	737	1,600	0	135	16,215	34,000	34,000	34,000
Total	58,041	71,815	10,806	23,710	2,912	4,600	0	475	71,759	100,600	100,600	100,600
Total fish	1,084,313	1,100,675	220,961	288,585	68,223	69,485	3,191	6,225	1,376,688	1,464,970	1,464,970	1,475,570
Squid	9,138	10,350	23	120	215	270	35	60	9,411	10,800	10,800	10,800
Snails	2,184	3,000	0	0	0	0	0	0	2,184	3,000	3,000	3,000
Snow crab	14,962	15,000	0	0	0	0	0	0	14,962	15,000	15,000	70,381
Total	1,110,597	1,129,025	220,984	288,705	68,438	69,755	3,226	6,285	1,403,245	1,493,770	1,493,770	1,559,751

1/ TALFF is an acronym for total allowable level of foreign fishing.

Table 26.--Foreign catch statistics (in metric tons) from the Bering Sea/Aleutian Islands-region, 1979.

Species	Japan		U S S R		South Korea		Taiwan		Poland		Total		1/ TALFF	Optimum Yield
	Catch	Alloc.	Catch	Alloc.	Catch	Alloc.	Catch	Alloc.	Catch	Alloc.	Alloc.	Alloc.		
Walleye pollock	779,050	774,630	60,617	60,370	84,137	85,000	1,929	5,000	18,230	25,000	943,963	950,000	950,000	950,000
Flounders	75,825	81,842	12,128	53,658	1,972	2,600	19	150	2	750	89,946	139,000	139,000	139,000
Yellowfin sole	58,491	61,910	41,259	40,590	1,356	2,600	3	150	0	750	101,109	106,000	106,000	106,000
Pacific Cod	35,470	36,940	2,645	16,110	3,245	2,850	39	100	17	500	41,416	56,500	56,500	58,000
Sablefish														
Bering Sea	1,071	1,480	49	370	261	370	6	30	2	150	1,389	2,400	2,400	3,000
Aleutians	617	920	0	230	165	230	0	20	0	100	782	1,500	1,500	1,500
Total	1,688	2,400	49	600	426	600	6	50	2	250	2,171	3,900	3,900	4,500
POP complex														
Bering Sea	1,592	3,090	3	3,010	123	300	3	25	2	75	1,723	6,500	6,500	6,500
Aleutians	5,309	6,190	18	7,885	159	700	0	50	0	175	5,486	15,000	15,000	15,000
Total	6,901	9,280	21	10,895	282	1,000	3	75	2	250	7,209	21,500	21,500	21,500
Atka mackerel	1,656	2,000	20,277	20,450	1,329	1,750	0	100	2	500	23,264	24,800	24,800	24,800
Herring	1,708	2,413	5,718	5,657	108	450	0	25	0	125	7,534	8,670	8,670	18,670
Other fish														
Bering Sea	31,055	43,390	6,437	8,960	3,433	5,360	0	316	6	1,574	40,931	59,600	59,600	59,600
Aleutians	21,622	24,880	1,617	5,040	545	3,014	0	177	0	889	23,784	34,000	34,000	34,000
Total	52,677	68,270	8,054	14,000	3,978	8,374	0	493	6	2,463	64,715	93,600	93,600	93,600
Total fish	1,013,466	1,039,685	150,768	222,330	96,833	105,224	1,999	6,143	18,261	30,588	1,281,327	1,403,970	1,403,970	1,416,070
Squid	5,739	5,900	6	1,750	1,233	1,750	14	100	25	500	7,017	10,000	10,000	10,000
Snails	537	3,000	0	0	0	0	0	0	0	0	537	3,000	3,000	3,000
Snow crab	14,954	15,000	0	0	0	0	0	0	0	0	14,954	15,000	15,000	68,556
Total	1,034,696	1,063,585	150,774	224,080	98,066	106,974	2,013	6,243	18,286	31,088	1,303,835	1,431,970	1,431,970	1,497,626

1/ TALFF is an acronym for total allowable level of foreign fishing.

Table 27.--Foreign and joint venture catch statistics (in metric tones) from the Bering Sea/Aleutian Islands region, 1930.

Species	Japan		U S S R		South Korea		Taiwan		Poland		West Germany		Total		1/ TALFF	Joint venture		Optimum Yield
	Catch	Alloc.	Catch	Alloc.	Catch	Alloc.	Catch	Alloc.	Catch	Alloc.	Catch	Alloc.	Catch	Alloc.		Landings	JVP	
Walleye pollock																		
Bering Sea	786,941	813,439	2,155	2,155	107,609	103,468	4,962	5,941	40,340	40,552	5,966	7,396	947,973	972,951	972,950	10,652	21,550	1,000,000
Aleutians	46,052	82,388	1	1	6,256	10,264	12	616	5,806	5,903	30	827	58,157	99,999	100,000	0	0	100,000
Total	832,993	895,827	2,156	2,156	113,865	113,732	4,974	6,557	46,146	46,455	5,996	8,223	1,006,130	1,072,950	1,072,950	10,652	21,550	1,100,000
Yellowfin sole	61,295	73,712	6	6	16,198	18,393	35	534	234	7,641	0	1,000	77,768	101,286	101,286	9,623	15,614	117,000
Turbots	47,464	69,238	1	1	7,126	12,239	71	419	335	5,703	7	1,000	55,004	88,600	88,600	75	1,200	90,000
Other flounders	26,687	45,133	3	3	6,497	8,030	55	327	276	3,682	8	1,000	33,526	58,175	58,175	2,720	2,725	61,000
Pacific cod	29,524	38,517	11	11	6,404	6,194	200	250	628	1,300	552	2,163	37,319	48,435	48,435	8,456	15,065	70,700
Sablefish																		
Bering Sea	1,649	2,334	0	0	324	546	30	61	152	206	16	49	2,171	3,196	3,200	35	200	3,500
Aleutians	233	925	0	0	26	184	8	35	<1	47	0	13	267	1,204	1,200	4	200	1,500
Total	1,882	3,259	0	0	350	730	38	96	152	253	16	62	2,438	4,400	4,400	39	400	5,000
POP complex																		
Bering Sea	467	1,813	0	1	382	703	11	53	36	218	11	33	907	2,821	2,820	52	330	3,250
Aleutians	3,636	5,680	5	5	358	886	7	67	1	249	4	183	4,011	7,070	7,070	<1	330	7,500
Total	4,103	7,493	5	6	740	1,589	18	120	37	467	15	216	4,918	9,891	9,890	52	660	10,750
Other rockfish	3,024	5,725	2	2	493	1,150	9	67	23	350	<1	183	3,551	7,477	7,477	11	150	7,727
Atka mackerel	1,719	2,500	937	937	17,483	18,953	0	100	44	590	42	1,000	20,225	24,080	24,080	265	720	24,800
Herring	329		428		23		<1		2		0		782			0	0	
Other fish	39,878	59,779	8	0	6,791	9,322	69	430	198	2,548	39	1,420	46,983	73,499	73,499	678	550	74,249
Total fish	1,048,898	1,201,183	3,557	3,122	175,970	190,332	5,469	8,900	48,075	68,989	6,675	16,267	1,288,644	1,488,793	1,488,792	32,571	58,634	1,561,226
Squid	4,642	6,634	0	0	1,620	2,331	39	120	19	648	53	217	6,373	9,950	9,950	0	50	10,000
Snails	57	3,000											57	3,000	3,000	0	0	3,000
Snow crab	7,094	7,500											7,094	7,500	7,500	0	0	73,984
Total	1,060,691	1,218,317	3,557	3,122	177,590	192,663	5,508	9,020	48,094	69,637	6,728	16,484	1,302,168	1,509,243	1,509,242	32,571	58,684	1,648,210

1/ TALFF is an acronym for total allowable level of foreign fishing. JVP is an acronym for joint venture processing.

Table 20.--Foreign and joint venture catch statistics (in metric tons) from the Bering Sea/Aleutian Islands region, 1981.

Species	Japan		South Korea		Taiwan		Poland		West Germany		Total		1/ TALFF	Joint venture		Optimum Yield
	Catch	Alloc.	Catch	Alloc.	Catch	Alloc.	Catch	Alloc.	Catch	Alloc.	Catch	Alloc.		Landings	1/ JVP	
Walleye pollock																
Bering Sea	765,292	779,988	104,942	103,699	3,367	11,258	48,391	48,215	9,581	12,290	931,573	955,450	955,450	41,938	44,050	1,000,000
Aleutians	37,980	79,514	11,074	12,182	0	1,145	5,593	6,409	724	750	55,371	100,000	100,000	145	0	100,000
Total	803,272	859,502	116,016	115,881	3,367	12,403	53,984	54,624	10,305	13,040	986,944	1,055,450	1,055,450	42,083	44,050	1,100,000
Yellowfin sole	63,961	73,538	17,179	19,549	109	1,446	6	4,109	0	1,158	81,255	99,800	99,800	16,046	17,000	117,000
Turbots	51,244	72,124	5,235	10,357	937	1,890	59	4,046	11	1,308	57,486	89,725	89,725	<1	75	90,000
Other flounders	30,910	44,641	2,992	4,440	466	1,448	27	2,117	12	1,104	34,407	53,750	53,750	5,987	7,050	61,000
Pacific cod	29,997	38,015	6,623	6,705	847	1,904	493	1,958	1,153	2,886	39,113	51,468	51,468	9,159	12,032	78,700
Sablefish																
Bering Sea	2,091	2,381	339	609	102	102	13	224	33	84	2,578	3,400	3,400	24	50	3,500
Aleutians	320	1,106	56	164	0	32	0	70	1	28	377	1,400	1,400	156	50	1,500
Total	2,411	3,487	395	773	102	134	13	294	34	112	2,955	4,800	4,800	180	100	5,000
POP complex																
Bering Sea	771	2,044	238	534	44	104	126	349	6	69	1,185	3,100	3,100	1	100	3,250
Aleutians	3,479	6,178	184	405	0	82	0	548	5	137	3,668	7,350	7,350	0	100	7,500
Total	4,250	8,222	422	939	44	186	126	897	11	206	4,853	10,450	10,450	1	200	10,750
Other rockfish	2,168	5,769	293	1,076	1	120	26	445	2	167	2,490	7,577	7,577	7	50	7,727
Atka mackerel	5,615	10,283	12,385	10,875	0	237	18	1,000	38	840	18,056	23,235	23,460	1,633	1,340	24,800
Herring	239		32		0		16		0		287			0	0	
Other fish	34,148	55,669	4,734	7,842	51	915	159	3,764	299	1,959	39,391	70,149	70,149	3,434	3,800	74,249
Total fish	1,028,215	1,171,250	166,306	178,437	5,924	20,683	54,927	73,254	11,865	22,780	1,267,237	1,466,404	1,466,629	78,530	85,697	1,569,226
Squid	4,680	7,193	1,097	1,712	55	183	96	691	9	201	5,937	9,980	9,980	4	20	10,000
Snails	239	3,000									239	3,000	3,000	0	0	3,000
Total	1,033,134	1,181,443	167,403	180,149	5,979	20,866	55,023	73,945	11,874	22,981	1,273,413	1,479,384	1,479,609	78,534	85,717	1,582,226

1/ TALFF is an acronym for total allowable level of foreign fishing. JVP is an acronym for joint venture processing.

Table 29.--Foreign and joint venture catch statistics (in metric tons) from the Bering Sea/Aleutian Islands region, 1982.

Species	Japan		South Korea		Taiwan		West Germany		Total		1/ TALFF	Joint venture		Optimum Yield
	Catch	Alloc.	Catch	Alloc.	Catch	Alloc.	Catch	Alloc.	Catch	Alloc.		Landings	1/ JVP	
Walleye pollock														
Bering Sea	747,191	775,348	150,530	145,199	4,220	12,205	1,625	1,698	903,566	934,450	955,450	52,621	34,050	1,000,000
Aleutians	33,160	69,716	8,112	9,784	0	2,000	14,499	15,550	55,771	97,050	100,000	1,983	0	100,000
Total	780,351	845,064	158,642	154,983	4,220	14,205	16,124	17,248	959,337	1,031,500	1,055,450	54,604	34,050	1,100,000
Yellowfin sole	65,602	84,917	10,326	10,457	40	926	5	100	75,973	96,400	97,800	17,414	18,000	117,000
Turbots	52,088	73,385	2,161	11,237	1,539	2,685	6	718	55,794	88,025	89,425	87	75	90,000
Other flounders	20,610	44,928	2,784	4,429	134	632	1	300	23,529	50,289	53,750	9,130	6,050	61,000
Pacific cod	19,111	25,932	8,410	8,120	559	700	95	683	28,175	35,435	35,435	13,591	17,065	78,700
Sablefish														
Bering Sea	2,315	2,492	506	543	208	190	1	45	3,030	3,270	3,300	6	100	3,500
Aleutians	715	1,158	92	118	0	4	2	20	809	1,300	1,300	118	100	1,500
Total	3,030	3,650	598	661	208	194	3	65	3,839	4,570	4,600	124	200	5,000
POP complex														
Bering Sea	512	1,201	72	616	34	45	<1	8	618	1,870	1,870	27	830	3,250
Aleutians	1,532	2,199	206	299	0	13	1	36	1,739	2,547	6,120	2	830	7,500
Total	2,044	3,400	278	915	34	58	1	44	2,357	4,417	7,990	29	1,660	10,750
Other rockfish	2,320	6,008	159	1,255	16	121	<1	193	2,495	7,577	7,577	1	50	7,727
Atka mackerel	888	3,500	6,385	6,369	<1	237	126	440	7,399	10,546	23,460	12,475	1,340	24,800
Herring	1,678		271		0		0		1,949			37	0	
Other fish	19,598	58,644	2,553	10,398	54	1,247	56	1,032	22,261	71,321	72,249	1,106	200	74,249
Total fish	967,320	1,149,428	192,567	208,824	6,804	21,005	16,417	20,823	1,183,108	1,400,080	1,447,736	108,598	78,690	1,569,226
Squid	4,485	7,287	496	2,145	37	221	16	297	5,034	9,950	9,950	5	50	10,000
Snails	227	3,000	0		0		0		227	3,000	3,000	0	0	3,000
Total	972,032	1,159,715	193,063	210,969	6,841	21,226	16,433	21,120	1,188,369	1,413,030	1,460,686	108,603	78,740	1,582,226

1/ TALFF is an acronym for total allowable level of foreign fishing. JVP is an acronym for joint venture processing.

Table 30.--Foreign and joint venture catch statistics (in metric tons) from the Bering Sea/Aleutian Islands region, 1983.

Species	Japan		South Korea		Taiwan		West Germany		Total		1/ TALFF	Joint venture		Optimum Yield
	Catch	Alloc.	Catch	Alloc.	Catch	Alloc.	Catch	Alloc.	Catch	Alloc.		Landings	1/ JVP	
Walleye pollock														
Bering Sea	654,944	674,600	170,007	163,033	0	4,830	10,038	10,037	834,989	852,500	875,500	146,467	114,000	1,000,000
Aleutians	29,480	63,713	13,420	19,224	0	0	13,574	14,563	56,474	97,500	100,000	2,547	0	100,000
Total	684,424	738,313	183,427	182,257	0	4,830	23,612	24,600	891,463	950,000	975,500	149,014	114,000	1,100,000
Yellowfin sole	64,894	68,433	21,050	24,739	0	300	<1	128	85,944	93,600	93,600	22,529	23,000	117,000
Turbots	54,030	69,849	2,761	11,266	0	981	1	1,080	56,792	83,176	89,825	84	75	90,000
Other flounders	16,483	37,469	7,055	8,950	0	209	7	410	23,545	47,038	49,038	11,694	10,762	61,000
Pacific cod	31,256	33,163	10,185	10,333	0	102	65	622	41,506	44,220	70,735	14,362	17,065	120,000
Sablefish														
Bering Sea	2,231	2,835	372	462	0	23	1	6	2,604	3,326	3,350	44	50	3,500
Aleutians	526	1,137	45	145	0	0	3	56	574	1,338	1,300	70	100	1,500
Total	2,757	3,972	417	607	0	23	4	62	3,178	4,664	4,650	114	150	5,000
POP complex														
Bering Sea	239	527	64	182	0	12	4	18	307	739	1,870	125	830	3,250
Aleutians	550	1,093	104	288	0	0	2	80	656	1,461	6,120	11	830	7,500
Total	789	1,620	168	470	0	12	6	98	963	2,200	7,990	136	1,660	10,750
Other rockfish	881	4,378	113	1,430	0	35	<1	100	994	5,943	7,177	8	450	7,727
Atka mackerel	280	5,726	910	7,293	0	30	25	120	1,215	13,169	14,060	10,512	10,740	24,800
Herring	1,143		187		0		68		1,398			1,115	0	
Other fish	11,428	50,922	2,826	15,142	0	413	1	1,470	14,255	67,947	72,014	1,577	3,500	77,314
Total fish	868,365	1,013,845	229,099	262,487	0	6,935	23,789	28,690	1,121,253	1,311,957	1,384,589	211,145	181,402	1,613,591
Squid	3,798	6,457	156	2,687	0	78	15	454	3,969	9,676	9,950	10	50	10,000
Snails	326	3,000	0		0		0		326	3,000	3,000	0	0	3,000
Total	872,489	1,023,302	229,255	265,174	0	7,013	23,804	29,144	1,125,548	1,324,633	1,397,539	211,155	181,452	1,626,591

1/ TALFF is an acronym for total allowable level of foreign fishing. JVP is an acronym for joint venture processing.

Table 31.--Foreign and joint venture catch statistics (in metric tons) from the Bering Sea/Aleutian Islands region, 1984.

Species	Japan		South Korea		Poland		Portugal		U S S R		East Germany		Total		TALFF ^{1/}	Joint Venture		Optimum Yield
	Catch	Alloc.	Catch	Alloc.	Catch	Alloc.	Catch	Alloc.	Catch	Alloc.	Catch	Alloc.	Catch	Alloc.		Landings	JVP ^{1/}	
Walleye pollock																		
Bering Sea	626,362	638,531	168,135	180,889	46,972	50,568	48	500	12,268	12,401	8,304	8,154	862,089	891,043	901,885	230,314	273,000	1,200,000
Aleutians	38,571	54,500	11,778	13,488	5,098	4,000	0	0	0	0	15,453	15,293	70,900	87,281	92,750	6,694	16,750	110,000
Total	664,933	693,031	179,913	194,377	52,070	54,568	48	500	12,268	12,401	23,757	23,447	932,989	978,324	994,635	237,008	289,750	1,310,000
Yellowfin sole	83,909	130,911	34,855	35,008	<1	6	47	129	7,951	11,000	0	366	126,762	177,420	184,179	32,764	36,500	230,000
Turbots	31,829	44,566	993	4,807	8	50	6	316	2	322	1	923	32,839	50,984	56,255	256	1,100	59,610
Other flounders	17,438	61,666	7,313	11,328	23	101	19	349	1,712	3,150	2	1,023	26,507	77,617	83,950	17,151	22,000	111,490
Pacific cod	47,590	56,110	10,031	11,718	66	500	51	5,000	688	1,129	85	887	58,511	75,344	88,400	30,771	37,200	210,000
Sablefish																		
Bering Sea	1,006	1,274	179	286	5	26	7	12	<1	31	1	3	1,198	1,632	2,700	76	175	3,740
Aleutians	717	894	7	170	0	2	0	0	0	0	1	4	725	1,070	1,210	272	280	1,600
Total	1,723	2,168	186	456	5	28	7	12	<1	31	2	7	1,923	2,702	3,910	348	455	5,340
POP complex																		
Bering Sea	275	508	35	78	9	16	<1	13	12	13	1	14	332	642	810	149	250	1,780
Aleutians	392	520	2	95	<1	4	0	0	0	0	1	18	395	637	650	429	3,380	4,588
Total	667	1,028	37	173	9	20	<1	13	12	13	2	32	727	1,279	1,460	578	3,630	6,368
Other rockfish																		
Bering Sea	117	852	10	70	1	10	<1	12	2	21	<1	20	130	985	1,245	7	255	1,550
Aleutians	61	448	1	140	<1	8	0	0	0	0	<1	17	62	613	625	36	4,000	5,500
Total	178	1,300	11	210	1	18	<1	12	2	21	<1	37	192	1,598	1,870	43	4,255	7,050
Atka mackerel	104	761	8	145	<1	16	0	12	0	16	<1	36	112	986	1,000	35,943	33,770	35,000
Herring	793		406		31		0		4		23		1,257			0		
Other fish	5,709	23,237	1,625	4,410	7	150	4	283	183	1,860	4	808	7,532	30,748	33,500	2,645	2,500	40,000
Total fish	854,873	1,014,778	235,378	262,632	52,220	55,457	182	6,626	22,822	29,943	23,876	27,566	1,189,351	1,397,002	1,449,159	357,507	431,160	2,014,850
Squid	2,939	5,113	110	1,528	52	99	<1	189	16	57	16	429	3,133	7,415	8,526	34	50	8,900
Shells	230	3,000											230	3,000	3,000	0	50	3,000
Total	858,042	1,022,891	235,488	264,160	52,272	55,556	182	6,815	22,838	30,000	23,892	27,995	1,192,714	1,407,417	1,460,685	357,541	431,260	2,026,750

^{1/} TALFF is an acronym for total allowable level of foreign fishing. JVP is an acronym for joint venture processing.

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